Intern Stump®

PRODUCT BROCHURE

LIVE COURSE

# Generative AI and LLMs

Learn to build real Generative AI and LLM applications, from prompt engineering and RAG to fine-tuning and deployment, through live mentor-led sessions and hands-on projects.

Industry-Led Course | Applications Closed | Technical

DURATION
**4 Months**

LEVEL
**Beginner to Advanced**

MODE
**Live Online**

LANGUAGE
**English**

BATCH STARTS
**16 Nov 2026**

ENROLMENT CLOSES
**15 Nov 2026**

COURSE FEE

**₹6,999**

~~₹20,000~~ - save 65% OFF

Scan the QR code on the back cover to view details & enrol

internstump.com

LIVE COURSE BROCHURE

# Inside this brochure

Everything on the Generative AI and LLMs page, in one document. Tap a section to jump to it.


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01 · AT A GLANCE

# Course Overview

Learn to build real Generative AI and LLM applications, from prompt engineering and RAG to fine-tuning and deployment, through live mentor-led sessions and hands-on projects.

This live, mentor-led course takes you from Generative AI basics to advanced LLM engineering. You will practise prompt design, embeddings, RAG, agents, fine-tuning and deployment through weekly projects, code reviews and feedback, finishing with a job-ready portfolio of working AI applications.

| | |
|---|---|
| DURATION<br>**4 Months** | LEVEL<br>**Beginner to Advanced** |
| MODE<br>**Live Online** | LANGUAGE<br>**English** |
| BATCH STARTS<br>**16 Nov 2026** | ENROLMENT CLOSES<br>**15 Nov 2026** |
| LEARNERS<br>**Trusted by ambitious learners nationwide** | |

COURSE FEE

**₹6,999**

~~₹20,000~~ - save 65% OFF

**Enrollment for Nov 2026 Batch closed on 15 Nov 2026.**

## Highlights

### Industry-Led Upskilling Courses

Learn from industry professionals with years of real-world experience.

### Personalized Mentorship

Get one-on-one guidance tailored to your career goals and aspirations.

**Premium Resources**

Access course materials, job portal, free events, challenges and learner 8C Appraisal reports.

**Vibrant Community**

Connect with like-minded peers and build lasting professional relationships.

02 · SIMPLE 3-STEP JOURNEY

# How Our Courses Work

A structured, step-by-step path designed to take you from foundational learning to career success with industry guidance.

01

## Step 1: Enroll & Get Started

Choose your course and complete the enrollment process. Access your learning materials instantly and join our community of learners.

✓ Instant access to course materials
✓ Personalized learning dashboard
✓ Welcome orientation session

02

## Step 2: Learn & Practice

Engage with interactive lessons, live sessions, and hands-on projects. Learn from industry experts and apply your knowledge in real-world scenarios.

✓ Live classes with expert instructors
✓ Hands-on practical projects
✓ One-on-one mentorship support

03

## Step 3: Complete & Get Certified

Finish your coursework, pass assessments, and receive your professional certificate. Launch your new career with confidence and credentials.

✓ Industry-recognized certificate
✓ Portfolio of completed projects
✓ Career placement assistance

03 · BEFORE YOU ENROLL

# Eligibility & Prerequisites

Check who this course is designed for and what you should know before your first class.

WHO CAN JOIN

### Eligibility

- ✓ Students from any degree stream
- ✓ Freshers looking for AI roles
- ✓ Working professionals moving into AI
- ✓ Developers wanting to build LLM apps

BEFORE YOU START

### Prerequisites

- ✓ Basic computer and internet skills
- ✓ Willingness to learn Python from scratch
- ✓ Comfort with basic school-level maths
- ✓ A laptop with a stable internet connection

04 · CAREER-READY SKILLS

# Skills You Will Gain

Hands-on skills you will practise in live classes, assignments and projects throughout the course.

Generative AI | Large Language Models | Prompt Engineering | Python for AI | Transformers | Embeddings | Vector Databases | RAG Pipelines | LangChain | Fine-Tuning | LoRA and PEFT | AI Agents | Hugging Face | LLM Evaluation | Model Deployment

05 · PRODUCT ECOSYSTEM ARCHITECTURE

# How we designed our Product?

An all-in-one ed-tech ecosystem carefully engineered to bridge learning, practical skill assessment, career guidance, and employment.

WORLD'S FIRST FEATURE

### 8C Appraisal Report

Proprietary evaluation matrix measuring holistic performance across 8 career pillars for authentic proof-of-work.

- Communication
- Configuration
- Chronicle
- Completeness
- Cognizance
- Conception
- Comprehension
- Case Study

Industry Validated · 100% Data Score

SUBJECT MATTER EXPERT AI

### Insyrio AI

Get instant 24/7 doubt solving and concept clarifications directly from our specialized AI trained on your enrolled courses.

- ✓ 24/7 Course-Specific SME Assistant
- ✓ Instant Step-by-Step Doubt Resolution

Instant Learning Support

GAMIFIED REWARDS

### iSure Coins

Use iSure Coins for AI career tools, masterclasses and CertiQ - and part-pay your course fee with them.

- ✓ Earn Perks & Rewards · Pay with Coins

Redeem Rewards Store

AI ENGINE

### AI Career Diagnosis

Algorithmic analysis mapping strengths, gaps, and tailored pathways for industry roles.

- ✓ Skill Gap Mapping

Personalized Roadmap

CURRICULUM

### Industry-Led Courses

Handcrafted learning modules built directly alongside senior engineering, design, and management leads.

Practical Frameworks

LIVE

### Live Classes

Interactive classrooms with live chat, code walk-throughs, and real-time engagement.

Real-time Q&A Support

AUTO-SCAN

### AI Resume ATS

Instant ATS optimization scanner ensuring your resume passes screening software effortlessly.

High Parser Score

PRACTICAL

### Assignments

Industry-grade project briefs with detailed feedback and grading from experienced mentors.

**Code & Work Reviews**

WEEKLY

### Challenges

Weekly hackathons, coding sprints, and design contests to test your problem-solving skills.

**Leaderboard Ranking**

NETWORKING

### Events

Exclusive expert keynotes, career fairs, and interactive networking workshops.

**Free Community Pass**

1-ON-1

### Live Mentorship

Direct one-on-one video guidance sessions with experienced industry practitioners.

**Personalized Growth**

TRACKING

### Attendance

Class-by-class attendance tracking to ensure disciplined, consistent progression.

**Attendance Reports**

HIRING

### Jobs

Direct hiring pipeline connecting top-performing learners directly with recruiter managers.

**Exclusive Placements**

FREE ACCESS

### Free Books

Curated digital library filled with essential tech, management, and soft-skill books.

**Instant Digital Library**

ARTICLES

### Blog

In-depth technical tutorials, industry trend analysis, and career growth strategies.

**Updated Weekly**

FREE ACCESS

### Free Study Material

Downloadable cheat sheets, interview preparation guides, templates, and revision notes.

**One-Click Downloads**

06 · COURSE CURRICULUM

# What You Will Learn

A carefully sequenced curriculum - every section breaks into modules and hands-on topics taught live by industry experts.

| 6 | 36 | 180 | 9 |
|---|---|---|---|
| SECTIONS | MODULES | TOPICS | PROJECTS |

| NO. | MODULE | TOPICS | | SESSIONS |
|---|---|---|---|---|
| **SECTION 01** · 6 modules · 30 topics<br>**Foundations of Generative AI and Python Essentials**<br>This section builds the conceptual base of generative AI and the Python, data and machine learning skills needed for the rest of the course. | | | | |
| M1.1 | **Introduction to Generative AI**<br>Learners understand what generative AI is, how it evolved and where it is applied across industries. | 1 | What Is Generative AI | **1 – 5** · 5 sessions |
| | | 2 | History and Evolution of Generative Models | |
| | | 3 | Types of Generative Models | |
| | | 4 | Industry Applications of Generative AI | |
| | | 5 | Ethics Risks and Responsible AI | |
| M1.2 | **Python Programming Basics**<br>Learners set up a Python environment and master the core syntax required for AI development. | 1 | Setting Up Python and Jupyter Notebooks | **6 – 10** · 5 sessions |
| | | 2 | Variables Data Types and Operators | |
| | | 3 | Control Flow with Conditions and Loops | |
| | | 4 | Functions and Modules | |
| | | 5 | Working with Files and Handling Errors | |
| M1.3 | **Python Data Structures and Object Oriented Programming**<br>Learners organize data effectively and structure larger programs using classes and clean coding practices. | 1 | Lists and Tuples | **11 – 15** · 5 sessions |
| | | 2 | Dictionaries and Sets | |
| | | 3 | Comprehensions and Iterators | |
| | | 4 | Classes and Objects | |
| | | 5 | Clean Code and Debugging Practices | |

| NO. | MODULE | TOPICS | SESSIONS |
|---|---|---|---|
| M1.4 | **Data Handling with NumPy and Pandas**<br>Learners gain the data manipulation and visualization skills that underpin every machine learning workflow. | 1 NumPy Arrays and Vectorized Operations<br>2 Linear Algebra Essentials with NumPy<br>3 Pandas Series and DataFrames<br>4 Data Cleaning and Transformation<br>5 Data Visualization with Matplotlib | **16 – 20** · 5 sessions |
| M1.5 | **Machine Learning Fundamentals**<br>Learners understand core machine learning ideas and train simple models before moving to deep learning. | 1 Introduction to Machine Learning<br>2 Probability and Statistics for AI<br>3 Regression and Classification with Scikit-learn<br>4 Model Evaluation and Overfitting<br>5 Feature Engineering and Mini Project | **21 – 25** · 5 sessions |
| M1.6 | **Neural Networks and Deep Learning Primer**<br>Learners grasp how neural networks learn and build a first model with a modern deep learning framework. | 1 Neurons Layers and Activation Functions<br>2 Loss Functions and Gradient Descent<br>3 Backpropagation Explained<br>4 Building Models with PyTorch<br>5 Regularization and Training Best Practices | **26 – 30** · 5 sessions |

SECTION 02 · 6 modules · 30 topics

## Transformers and How LLMs Work

Learners progress from sequence modeling basics to the full transformer architecture, then explore how large language models are trained, scaled, and used to generate text.

| | | | |
|---|---|---|---|
| M2.1 | **From Text to Numbers**<br>Learners understand how raw language is converted into numerical representations that neural networks can process. | 1 Tokenization Fundamentals<br>2 Byte Pair Encoding and Vocabulary Building<br>3 Word Embeddings Explained<br>4 Measuring Similarity in Embedding Space<br>5 Neural Network Refresher for Language Tasks | **31 – 35** · 5 sessions |

| NO. | MODULE | TOPICS | SESSIONS |
|---|---|---|---|
| M2.2 | **Sequence Models and the Road to Attention**<br>Learners see why earlier sequence models struggled and how attention emerged to solve those problems. | 1 Recurrent Neural Networks Basics<br>2 LSTMs and GRUs<br>3 Vanishing Gradients and Long-Range Dependencies<br>4 Encoder-Decoder Models and Seq2Seq<br>5 The Birth of Attention | **36 – 40** · 5 sessions |
| M2.3 | **Inside the Transformer Architecture**<br>Learners dissect each component of the transformer and implement the core mechanisms themselves. | 1 Self-Attention with Queries Keys and Values<br>2 Scaled Dot-Product and Multi-Head Attention<br>3 Positional Encoding<br>4 Feed-Forward Layers Residuals and Layer Normalization<br>5 Assembling a Mini Transformer | **41 – 45** · 5 sessions |
| M2.4 | **Transformer Families and Model Types**<br>Learners compare encoder-only, decoder-only, and encoder-decoder models and when each is used. | 1 Encoder-Only Models and BERT<br>2 Decoder-Only Models and the GPT Family<br>3 Encoder-Decoder Models like T5 and BART<br>4 Working with Hugging Face Transformers<br>5 Choosing the Right Model for a Task | **46 – 50** · 5 sessions |
| M2.5 | **How LLMs Are Trained**<br>Learners follow the full training lifecycle from pretraining data to alignment with human preferences. | 1 Pretraining Objectives and Data Sources<br>2 Scaling Laws and Compute<br>3 Distributed Training and Optimization<br>4 Instruction Tuning and Supervised Fine-Tuning<br>5 Alignment with RLHF and Preference Optimization | **51 – 55** · 5 sessions |

| NO. | MODULE | TOPICS | SESSIONS |
|---|---|---|---|
| M2.6 | **Generating Text and Understanding Model Behavior**<br>Learners control how LLMs generate output and learn to reason about their capabilities and limits. | 1 Decoding Strategies<br>2 Temperature and Generation Parameters<br>3 Context Windows and the KV Cache<br>4 Hallucinations and Failure Modes<br>5 Evaluating LLM Outputs | **56 – 60** · 5 sessions |

SECTION 03 · 6 modules · 30 topics

## Prompt Engineering and LLM APIs

Learners master prompt design techniques and build practical applications by integrating hosted and open LLM APIs into Python programs.

| | | | |
|---|---|---|---|
| M3.1 | **Prompt Design Fundamentals**<br>Learners understand how prompts shape model behavior and write clear, reliable instructions. | 1 Anatomy of an Effective Prompt<br>2 Roles, System Messages and Personas<br>3 Context and Constraint Setting<br>4 Controlling Output Format<br>5 Sampling Parameters in Practice | **61 – 65** · 5 sessions |
| M3.2 | **Advanced Prompting Techniques**<br>Learners apply proven strategies that improve reasoning and accuracy on complex tasks. | 1 Zero-Shot and Few-Shot Prompting<br>2 Chain-of-Thought Reasoning<br>3 Self-Consistency and Prompt Chaining<br>4 Reflection and Self-Critique Prompts<br>5 Prompt Patterns Library | **66 – 70** · 5 sessions |
| M3.3 | **Working with LLM APIs**<br>Learners call hosted model endpoints from Python and handle real-world API concerns. | 1 API Basics and Authentication<br>2 Chat Completion Requests and Responses<br>3 Streaming Responses and Async Calls<br>4 Error Handling, Retries and Rate Limits<br>5 Cost, Tokens and Model Selection | **71 – 75** · 5 sessions |
| M3.4 | **Structured Outputs and Function Calling**<br>Learners turn free-form model text into dependable structured data and tool actions. | 1 Generating JSON Reliably<br>2 Schema Validation with Pydantic<br>3 Function Calling and Tool Use<br>4 Information Extraction and Classification<br>5 Multi-Step Workflows with LLMs | **76 – 80** · 5 sessions |

| NO. | MODULE | TOPICS | SESSIONS |
|---|---|---|---|
| M3.5 | **Open Source Models and Local Inference**<br>Learners run and call open models using community tooling and compare them with hosted services. | 1 Hugging Face Hub and Model Cards<br>2 Text Generation with Transformers Library<br>3 Running Models Locally with Ollama<br>4 Prompt Formats and Chat Templates<br>5 Hosted Versus Open Models Tradeoffs | **81 – 85** · 5 sessions |
| M3.6 | **Prompt Evaluation, Safety and Capstone Application**<br>Learners test prompts systematically, defend against misuse and ship a small prompt-driven application. | 1 Building Prompt Test Sets<br>2 Automated Evaluation and LLM-as-Judge<br>3 Prompt Injection and Jailbreak Defense<br>4 Reducing Hallucinations and Bias<br>5 Capstone Build: Prompt-Driven Assistant App | **86 – 90** · 5 sessions |

SECTION 04 · 6 modules · 30 topics

## Embeddings, Vector Databases and RAG

Learners master text embeddings, vector search and retrieval-augmented generation to build grounded, production-ready LLM applications over private data.

| | | | |
|---|---|---|---|
| M4.1 | **Understanding Text Embeddings**<br>This module explains how text is converted into dense vectors and how those vectors capture meaning. | 1 From Words to Vectors<br>2 Word and Sentence Embeddings<br>3 Embedding Models from Providers<br>4 Similarity Metrics<br>5 Visualizing and Evaluating Embeddings | **91 – 95** · 5 sessions |
| M4.2 | **Vector Search Fundamentals**<br>This module covers the algorithms that make searching millions of vectors fast and accurate. | 1 Exact Versus Approximate Search<br>2 Indexing with HNSW<br>3 IVF and Product Quantization<br>4 Hands-on with FAISS<br>5 Hybrid and Keyword Search | **96 – 100** · 5 sessions |

| NO. | MODULE | TOPICS | | SESSIONS |
|---|---|---|---|---|
| M4.3 | **Vector Databases in Practice**<br>This module introduces production vector databases and how to design, load and query them. | 1<br>2<br>3<br>4<br>5 | Vector Database Landscape<br>Collections, Schemas and Metadata<br>Ingesting and Updating Data<br>Filtered and Namespaced Queries<br>Postgres with pgvector | **101 – 105** · 5 sessions |
| M4.4 | **Document Processing and Chunking**<br>This module teaches how to turn raw documents into high-quality retrievable chunks. | 1<br>2<br>3<br>4<br>5 | Loading Documents from Many Sources<br>Chunking Strategies<br>Structure-Aware Chunking<br>Metadata Enrichment<br>Building an Ingestion Pipeline | **106 – 110** · 5 sessions |
| M4.5 | **Building RAG Systems**<br>This module shows how to connect retrieval with LLMs to produce grounded and cited answers. | 1<br>2<br>3<br>4<br>5 | RAG Architecture Overview<br>Building a Basic RAG Pipeline<br>Prompting for Grounded Answers<br>Conversational RAG with Memory<br>Building a RAG User Interface | **111 – 115** · 5 sessions |
| M4.6 | **Advanced RAG and Evaluation**<br>This module covers techniques to improve retrieval quality and methods to measure and monitor RAG performance. | 1<br>2<br>3<br>4<br>5 | Query Transformation Techniques<br>Reranking and Context Compression<br>Agentic and Graph-Based RAG<br>Evaluating RAG Quality<br>Production RAG Considerations | **116 – 120** · 5 sessions |

**SECTION 05** · 6 modules · 30 topics

## Fine-Tuning, Agents and Evaluation

Learners adapt open models to custom tasks, build tool-using agents, and measure and safeguard LLM applications before deployment.

| NO. | MODULE | TOPICS | | SESSIONS |
|---|---|---|---|---|
| M5.1 | **Fine-Tuning Fundamentals**<br>Understand when and how to adapt a pretrained model instead of relying on prompting or retrieval alone. | 1<br>2<br>3<br>4<br>5 | Prompting vs RAG vs Fine-Tuning<br>Preparing Datasets for Fine-Tuning<br>Supervised Fine-Tuning Workflow<br>Hyperparameters and Training Diagnostics<br>Fine-Tuning Hosted Models via API | **121 – 125** · 5 sessions |

| NO. | MODULE | TOPICS | SESSIONS |
|---|---|---|---|
| M5.2 | **Parameter-Efficient Fine-Tuning**<br>Adapt large models on modest hardware using LoRA, quantization, and related techniques. | 1 Why Parameter-Efficient Methods Matter<br>2 LoRA Explained and Implemented<br>3 Quantization and QLoRA<br>4 Merging, Saving and Serving Adapters<br>5 Hands-On Lab: Domain-Specific Assistant | **126 – 130** · 5 sessions |
| M5.3 | **Alignment and Preference Tuning**<br>Shape model behavior using human feedback and modern preference optimization methods. | 1 Instruction Tuning and Chat Templates<br>2 RLHF Concepts<br>3 Direct Preference Optimization<br>4 Synthetic Data Generation<br>5 Safety Alignment and Red Teaming | **131 – 135** · 5 sessions |
| M5.4 | **Building LLM Agents**<br>Design systems where models plan, call tools, and act toward goals. | 1 Agent Concepts and the ReAct Pattern<br>2 Function Calling and Tool Use<br>3 Agent Memory and Planning<br>4 Agent Frameworks with LangGraph<br>5 Multi-Agent Systems and Model Context Protocol | **136 – 140** · 5 sessions |
| M5.5 | **Evaluating LLM Systems**<br>Measure quality systematically using metrics, benchmarks, and automated judges. | 1 Evaluation Challenges and Benchmarks<br>2 Automatic Metrics for Text Quality<br>3 LLM-as-a-Judge Techniques<br>4 Evaluating RAG and Agents<br>5 Building Test Sets and Regression Suites | **141 – 145** · 5 sessions |
| M5.6 | **Production, Monitoring and Responsible AI**<br>Ship LLM applications reliably while managing cost, risk, and ethics. | 1 Deploying and Serving Models<br>2 Observability and Tracing<br>3 Cost and Performance Optimization<br>4 Security, Privacy and Governance<br>5 Responsible AI and Capstone Planning | **146 – 150** · 5 sessions |

| NO. | MODULE | TOPICS | | SESSIONS |
|---|---|---|---|---|
| SECTION 06 · 6 modules · 30 topics<br>**Deployment, Safety and Capstone Project**<br>Learners take LLM applications from prototype to production by mastering serving, monitoring, safety and governance, then apply everything in a capstone project and prepare for their careers. | | | | |
| M6.1 | **Serving and Deploying LLM Applications**<br>Learners package LLM applications as APIs and deploy them reliably to cloud platforms. | 1 | Building LLM Backends with FastAPI | **151 – 155** · 5 sessions |
| | | 2 | Containerizing with Docker | |
| | | 3 | Deploying to the Cloud | |
| | | 4 | Hosting Open Source Models | |
| | | 5 | Building User Interfaces with Streamlit and Gradio | |
| M6.2 | **Optimization, Cost and Performance**<br>Learners reduce latency and spending while keeping output quality high. | 1 | Token Economics and Cost Control | **156 – 160** · 5 sessions |
| | | 2 | Caching and Request Batching | |
| | | 3 | Quantization and Model Compression | |
| | | 4 | Model Routing and Fallbacks | |
| | | 5 | Scaling and Load Testing | |
| M6.3 | **LLMOps, Monitoring and Observability**<br>Learners operate LLM systems in production with tracing, monitoring and continuous improvement. | 1 | Introduction to LLMOps | **161 – 165** · 5 sessions |
| | | 2 | Tracing and Logging with LangSmith and Langfuse | |
| | | 3 | Monitoring Quality and Drift | |
| | | 4 | CI/CD for LLM Applications | |
| | | 5 | Feedback Loops and Continuous Improvement | |
| M6.4 | **Safety, Security and Guardrails**<br>Learners defend LLM applications against misuse, attacks and harmful outputs. | 1 | LLM Threat Landscape and OWASP Top 10 | **166 – 170** · 5 sessions |
| | | 2 | Prompt Injection and Jailbreak Defense | |
| | | 3 | Guardrails and Content Moderation | |
| | | 4 | Hallucination Mitigation and Grounding | |
| | | 5 | Privacy and PII Protection | |

| NO. | MODULE | TOPICS | SESSIONS |
|---|---|---|---|
| M6.5 | **Responsible AI, Ethics and Governance**<br>Learners apply ethical principles, legal awareness and governance practices to AI products. | 1 Bias and Fairness in Generative Models<br>2 Copyright, Licensing and Data Rights<br>3 AI Regulation and Governance Frameworks<br>4 Transparency, Model Cards and Documentation<br>5 Human Oversight and Safe Product Design | **171 – 175** · 5 sessions |
| M6.6 | **Capstone Project and Career Launch**<br>Learners build, present and showcase an end to end GenAI application and prepare for job opportunities. | 1 Capstone Planning and Architecture<br>2 Capstone Build Sprint: Core Pipeline<br>3 Capstone Build Sprint: Deploy, Evaluate and Secure<br>4 Demo Day and Technical Presentation<br>5 Portfolio, Resume and Interview Preparation | **176 – 180** · 5 sessions |

07 · PLACEMENT TRAINING

# Our Placement Support Services

Placement Training comes with the Placement Assistance plan. Once your course is completed, our placement trainers take you through these six live sessions one by one - finish all six to earn the Placement Training Completion Certificate.

**01**

**Complete your course**

Placement Training starts after course completion

**02**

**6 sessions, one by one**

Each step is scheduled after the previous one is done

**03**

**Get certified**

Placement Training Completion Certificate

STEP 1 OF 6 · LIVE SESSION

## 1:1 Mock Interview

A live one-to-one mock interview with an industry expert, followed by honest feedback on your answers, confidence and presence.

- ✓ Technical & HR round simulation
- ✓ Questions from your course domain
- ✓ Body language & confidence pointers
- ✓ Personal improvement checklist

1:1 Live | Online | Feedback

**After course completion · live with a placement trainer**

STEP 2 OF 6 · EXPERT REVIEW

## Resume Optimization

Your resume reviewed line by line and reshaped into a clear, ATS-friendly profile that highlights your projects and skills.

- ✓ Structure & format review
- ✓ Impact-focused bullet points
- ✓ Course projects showcased
- ✓ Keywords for your target roles

ATS-Ready | Projects | Rewrite

**After course completion · live with a placement trainer**

STEP 3 OF 6 · PROFILE MAKEOVER

### LinkedIn Optimization

Headline, About, skills and featured work tuned so recruiters can find you and quickly see what you can do.

- ✓ Headline & About section
- ✓ Skills & endorsements plan
- ✓ Featured projects & certificates
- ✓ Networking & outreach tips

Discoverable | Skills | Network

After course completion · live with a placement trainer

STEP 4 OF 6 · INDUSTRY-LED

### Career-Led Workshop

A practical workshop on job search strategy, applications, interviews and how hiring works in your domain.

- ✓ Finding the right openings
- ✓ Applications that get replies
- ✓ Interview rounds explained
- ✓ Offer & joining essentials

Job Search | Live | Hiring Process

After course completion · live with a placement trainer

STEP 5 OF 6 · MENTOR-LED

### Career-Led Mentorship

Personal guidance from an industry mentor on roles, growth paths and your next career moves.

- ✓ Role & domain fit discussion
- ✓ Personal career roadmap
- ✓ Skill gaps to close next
- ✓ Answers to your career questions

1:1 Mentor | Career Path | Growth

After course completion · live with a placement trainer

STEP 6 OF 6 · COMMUNICATION

### Industrial Communication Training

Workplace communication that employers expect: emails, meetings, presentations and professional etiquette.

- ✓ Professional emails & messages
- ✓ Meetings & stand-up updates
- ✓ Presenting your work clearly
- ✓ Workplace etiquette & teamwork

Emails | Speaking | Workplace

After course completion · live with a placement trainer

**Placement Training Completion Certificate**

Complete all six sessions to receive a verifiable certificate listing every training you finished - share it with recruiters along with your course certificate.

08 · SMES

# Meet Our SME Board Members

Expert professionals guiding your journey through real-world industry knowledge and practical experience.



SME BOARD MEMBER · SENIOR SME

## Karteek Ch

**Associate**

Tata Consultancy Services · Subject Matter Expert

Technology professional, mentor, and engineer specializing in Oracle, AI, IoT, and emerging technologies.

Technology professional and TCS Engineer specializing in Oracle, Java, Python, AI, and IoT. An experienced Subject Matter Expert and Mentor at Intern Stump, passionate about practical learning, emerging technologies, and industry-ready student development.



SME BOARD MEMBER · SENIOR SME

## Sri Satya Lokesh

**Lead Engineer**

Dhan AI · Subject Matter Expert

Strategic Lead Engineer specializing in scalable microservices, AI automation, and Conversational AI.

Strategic Lead Engineer with 6+ years of experience in microservices, AI automation, and Conversational AI, specializing in Node.js, TypeScript, Python, Kafka, scalable architectures, performance optimization, mentoring, and enterprise technology modernization.



SME BOARD MEMBER · SENIOR SME

## Gowtham P

**Regional HR Business Partner**

Policy Bazaar · Subject Matter Expert

Regional HR Business Partner specializing in strategic HR management, employee relations, and talent development.

Gowtham is a Regional HR Business Partner at Policybazaar, specializing in strategic human resource management, employee engagement, talent acquisition, performance management, workforce planning, and organizational development to support business growth and employee success.

09 · TOOLS AND TECHNIQUES

# Key Tools and Techniques

Master industry-standard methodologies used by top-tier professionals, gaining practical exposure to tools, frameworks, and strategies for results.

INDUSTRY STANDARD 01

### Python

The core programming language used to build, test and automate every LLM workflow in the course.

MOST USED 02

### OpenAI API

Access powerful hosted models for chat, completion, function calling and embeddings in real applications.

OPEN SOURCE 03

### Hugging Face Transformers

Load, run and fine-tune open-source models and datasets using the most popular model hub and library.

POPULAR FRAMEWORK 04

### LangChain

Chain prompts, memory, tools and retrievers together to build structured LLM applications faster.

DATA FRAMEWORK 05

### LlamaIndex

Connect LLMs to your own data sources and build efficient indexing and retrieval pipelines.

VECTOR SEARCH 06

### FAISS and Chroma

Store and search embeddings quickly with vector databases that power retrieval-augmented generation.

EFFICIENT TRAINING 07

### LoRA and PEFT

Fine-tune large models efficiently on limited hardware by training only small adapter layers.

DEPLOYMENT READY 08

### Streamlit and FastAPI

Wrap your models in interactive interfaces and production-style APIs for easy sharing and deployment.

CORE TECHNIQUE 09

### Prompt Engineering Techniques

Apply few-shot, chain-of-thought and structured output methods to get reliable and accurate model responses.

Many More Tools Integrated in Curriculum

10 · COURSE PROJECTS

# Projects You Will Work On

Build a strong portfolio by working on industry-relevant projects that simulate real job scenarios, helping you gain confidence and career-ready skills.

INDUSTRY-LED PROJECT 01

### Smart Prompt Playground

Build a web app that lets users test and compare prompts across different LLM APIs. Add templates, temperature controls and response logging.

**Duration: 6-10 hours**

INDUSTRY-LED PROJECT 02

### Customer Support Chatbot

Create a conversational chatbot with memory that answers product queries in a consistent tone. Add fallback handling and conversation summaries.

**Duration: 8-12 hours**

INDUSTRY-LED PROJECT 03

### Document Q&A with RAG

Build a system that answers questions from uploaded PDFs using embeddings and a vector database. Show source citations with every answer.

**Duration: 10-14 hours**

INDUSTRY-LED PROJECT 04

### Semantic Search Engine

Develop a search tool that finds results by meaning instead of keywords. Compare embedding models and measure retrieval quality.

**Duration: 6-10 hours**

INDUSTRY-LED PROJECT 05

### Resume Analyzer and Job Matcher

Use an LLM to extract skills from resumes and match them to job descriptions. Generate a score and improvement suggestions for each candidate.

**Duration: 8-12 hours**

INDUSTRY-LED PROJECT 06

### Text Summarization Dashboard

Build a dashboard that summarizes articles, meeting notes and reports in several styles. Include length controls and a quality comparison view.

**Duration: 6-10 hours**

INDUSTRY-LED PROJECT 07

### Fine-Tuned Domain Model

Fine-tune a small open-source model with LoRA on a custom dataset. Compare its outputs with the base model using clear metrics.

**Duration: 10-16 hours**

INDUSTRY-LED PROJECT 08

### Multi-Tool AI Agent

Build an agent that plans tasks and calls tools such as web search, calculators and databases. Add guardrails and step-by-step logging.

**Duration: 10-14 hours**

INDUSTRY-LED PROJECT 09

### Deployed LLM Application Capstone

Combine RAG, evaluation and a clean interface into a complete product and deploy it to the cloud. Document the architecture and present it as a portfolio piece.

**Duration: 12–18 hours**

11 · COURSE ENROLLMENT

# Generative AI and LLMs

Learn to build real Generative AI and LLM applications, from prompt engineering and RAG to fine-tuning and deployment, through live mentor-led sessions and hands-on projects.

| | | | |
|---|---|---|---|
| **Starts** | 16 Nov 2026 | **Enrolment closed** | 15 Nov 2026 |
| **Duration** | 4 Months | **Timings** | 7:00 PM – 8:00 PM IST |
| **Batch** | Nov 2026 Batch (16 Nov 2026 - 02 Mar 2027) | **Batch status** | Batch closed · Starts on 16 Nov 2026 · Applications closed 15 Nov 2026 |

## Your plan

One-time fee · inclusive of GST

Plan 1

### Course + Live Work Experience

Build real projects and earn a live work experience certificate.

**₹6,999**

~~₹20,000~~ · 65% OFF

| | |
|---|---|
| **Live classes & completion certificate** | ✓ Included |
| **Live projects** | ✓ Included |
| **Live work experience certificate** | ✓ Included |
| **8C appraisal report** | ✓ Included |
| **SME AI (Insyrio)** | ✓ Included |
| **Live chat with SME** | ✓ Included |
| **Placement assistance** | ✗ Not included |

| | |
|---|---|
| **Plan perks** | 15% off across Intern Stump - coins, self-paced courses, masterclasses, mock interviews<br>20% off membership plans |
| **Also included** | • Live classes with industry SMEs<br>• Course completion certificate<br>• Live projects reviewed by your SME |

## Good to know

**Completion certificate**

Verifiable ID - a sample certificate can be previewed on the course page.

**8C Appraisal System**

How the eight Cs work - see the 8C Appraisal section of this brochure.

**Part-pay with iSure Coins**

Use your coin balance at checkout.

**Need help choosing?**

See the FAQs or book a free demo.

12 · 8C APPRAISAL

# World's First Ed-Tech with 8C Appraisal

Verified 8C Appraisal Certificate: every candidate receives an official corporate readiness report shared directly with hiring partners upon course completion.

The 8C Appraisal is a proprietary evaluation matrix measuring holistic performance across 8 career pillars for authentic proof-of-work:

Communication | Configuration | Chronicle | Completeness | Cognizance | Conception | Comprehension | Case Study

13 · HELP & LEARNER ADVISORY CENTER

# Frequently Asked Questions

Find answers to common questions about our learning tracks, placement assistance, and 8C evaluation model, or connect directly with an academic consultant.

**Q1 Do I need prior coding experience to join Generative AI and LLMs?**

No. The course starts with Python essentials and builds up step by step, so beginners can follow along while advanced learners get deeper challenges in later modules.

**Q2 How long is the course?**

The course runs for 4 Months with live mentor-led sessions, hands-on assignments and project reviews throughout.

**Q3 When does the next batch start?**

The upcoming batch is Nov 2026 Batch and starts on 16 Nov 2026. Sessions are held at 7:00 PM – 8:00 PM IST.

**Q4 What is the course fee?**

The course fee is ₹6,999 after a 65% discount from the original ₹20,000. Check the website for the latest offers.

**Q5 Will I build real projects?**

Yes. You will complete 9 hands-on projects, including RAG systems, chatbots, agents and a deployed capstone, which you can showcase in your portfolio.

**Q6 Do I need a powerful computer or GPU?**

No. A normal laptop with internet is enough. We use cloud notebooks and hosted APIs for tasks that need heavy computing.

**Q7 Are sessions recorded if I miss a class?**

Yes. Recordings and shared materials are available so you can revise or catch up, and mentors help clear doubts.

**Q8 Will this course help me get a job?**

The Technical track focuses on job-ready skills, portfolio projects and interview preparation. Outcomes depend on your effort, but you will have practical proof of your abilities.

# Ready to take the next step?

Generative AI and LLMs · Live Course

**Scan to view details & enrol**

internstump.com/courses/generative-ai-and-llms

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