UrbanScholar

PROGRAM BROCHURE

CAREER TRACK · GENERATIVE AI & LLMS

GENERATIVE AI

A hands-on track in prompting, RAG, and AI agents — built for learners who want to ship real LLM-powered products, not just chat with a model.

8–10	7	6	2
WEEKS	MODULES	CAPSTONES	PROGRAM TRACKS

TWO TRACKS · KICKSTART & CAREER

Program Overview

How this track builds practical LLM-application skills, layer by layer

Application-first, not just prompting. This track treats prompting as the entry point, not the destination — you move quickly into RAG pipelines, agentic workflows, and shipped applications that call real APIs.

Built-in mentorship. Each module closes with a mentor-reviewed checkpoint, so gaps get caught early instead of at the final capstone.

Career layer, not an afterthought. Resume positioning, interview readiness, and aptitude prep run alongside the technical modules — not bolted on in the last week.

Who This Is For

- Developers who want to add AI features to real products
- Students & freshers building an AI-native portfolio
- Non-coders comfortable with basic Python who want to build with LLMs

What You'll Walk Away With

- 6 deployed GenAI applications for your portfolio
- Working fluency in RAG, agents & prompt engineering
- Hands-on experience with LangChain, vector databases & LLM APIs

Program Snapshot

16+ Hrs Live Instructor-Led Sessions

6 Real-World GenAI Applications

7 Structured Learning Modules

Training + Internship Certificate

Mentor-Reviewed Project Checkpoints

Placement & Interview Support

Learning Path

7 modules, sequenced from foundations to deployment

1 · Foundations of Generative AI

- What makes a model "generative" vs. discriminative
- Landscape of tools — OpenAI, Anthropic, Google, open-source
- Where GenAI fits in a real product stack

2 · Prompt Engineering

- Few-shot & zero-shot prompting, chain-of-thought
- System vs. user prompts, structured outputs
- Evaluating & iterating on prompt quality

3 · Large Language Models

- Transformer architecture & tokenization basics
- Context windows & their practical limits
- Fine-tuning vs. RAG vs. prompting — when to use which

4 · Retrieval-Augmented Generation (RAG)

- Vector databases — Pinecone, Chroma, FAISS
- Chunking strategies & embedding quality
- Building a working RAG pipeline end-to-end

5 · AI Agents & Orchestration

- Agentic workflows & tool/function-calling
- LangChain & LlamaIndex fundamentals
- Designing reliable multi-step agents

6 · Generative Media

- Image generation basics — Stable Diffusion, DALL·E
- Audio & video generation tools, responsibly used
- Where generative media fits a marketing/ product workflow

7 · Building GenAI Applications

- API integration & a simple front-end for AI apps
- Managing cost & latency at the application layer
- Guardrails & safety filters for production use

Tools and Softwares You Can Work With

Py Python | OA OpenAI / Anthropic APIs | LC LangChain | LI LlamaIndex

PC Pinecone / Chroma | St Streamlit | HF Hugging Face

Capstone Projects

Six builds that turn coursework into a portfolio — 1 of 2

1 · AI Document Q&A Assistant

A RAG-based assistant that answers questions grounded in uploaded PDFs, not model guesswork.

SOFTWARE USED

Py Python | LC LangChain | AV a vector DB | AL an LLM API

- Chunk & embed documents into a vector store
- Retrieve relevant context before generating an answer
- Cite the source passage behind each answer

2 · AI Content Generation Suite

A tool that turns a short brief into blog posts, captions, and ad copy in a consistent brand voice.

SOFTWARE USED

Py Python | AL an LLM API | St Streamlit

- Design reusable prompt templates per content type
- Add tone/style controls to outputs
- Export generated drafts in ready-to-edit format

3 · AI Interview Coach

A conversational agent that runs mock interviews for a chosen role and gives structured feedback.

SOFTWARE USED

Py Python | LC LangChain | AL an LLM API

- Generate role-specific questions dynamically
- Score answers against a rubric
- Summarize strengths & gaps after each session

Capstone Projects

Six builds that turn coursework into a portfolio — 2 of 2

4 · Text-to-Image Product Mockup Generator

Generate marketing-ready product visuals from a short text description.

SOFTWARE USED

Py Python | AT a text-to-image API

- Engineer prompts for consistent visual style
- Batch-generate variations for A/B testing
- Build a simple gallery UI for outputs

5 · AI Meeting Notes & Action-Item Extractor

Turn a raw meeting transcript into clean notes and a task list.

SOFTWARE USED

Py Python | AL an LLM API

- Summarize long transcripts accurately
- Extract action items with owners & deadlines
- Export to a shareable notes format

6 · Multi-Agent Research Assistant

Agents that divide a research question, gather information, and draft a combined report.

SOFTWARE USED

Py Python | LA LangChain agents | AL an LLM API

- Design agent roles & hand-off logic
- Combine agent outputs into one coherent report
- Add a simple review/critique agent step

A Day in the Role

What a GenAI Engineer's Day Actually Looks Like

- Translate a workflow problem into an LLM-solvable task
- Design & test prompts against real edge cases
- Build retrieval pipelines over messy company data
- Wire up agents/tools for multi-step tasks
- Monitor cost, latency & output quality in production
- Add guardrails against hallucination & misuse

> **The throughline:** every capstone in this brochure is a smaller version of one of these responsibilities — so the portfolio you leave with maps directly to the job you're training for.

Career Outlook

Where GenAI skills actually lead

GenAI hiring has moved fast from "AI enthusiast" job titles to specific applied roles — teams need people who can build reliable products on top of LLMs, not just demo a chatbot.

Role	What They Do	Salary Range (Fresher / Experienced)
GenAI/LLM Engineer	Builds applications powered by large language models	₹6–10 LPA / ₹12–24 LPA
Prompt Engineer	Designs & optimizes prompts for production systems	₹5–8 LPA / ₹10–18 LPA
AI Product Engineer	Integrates GenAI features into existing products	₹6–9 LPA / ₹12–20 LPA
RAG/Knowledge Engineer	Builds retrieval pipelines connecting data to LLMs	₹6–10 LPA / ₹12–22 LPA
AI Solutions Consultant	Scopes & delivers GenAI use cases for clients	₹5–9 LPA / ₹12–20 LPA
MLOps/LLMOps Engineer	Deploys & monitors LLM applications in production	₹8–12 LPA / ₹15–25+ LPA

Indicative ranges from general India market trends — validate against current job-board data before publishing.

Companies Actively Hiring in This Space

OA OpenAI · Go Google · Mi Microsoft · An Anthropic · Ac Accenture · In Infosys

Representative employers in this space — not confirmed UrbanScholar hiring partners.

Program Tracks

Two tracks, same curriculum depth — the difference is placement intensity

KICKSTART

- 14+ hrs live cohort + recorded lectures
- 2 guided projects
- 6 months LMS access
- QR-verified completion certificate
- Mentor support — SLA ≤ 48 hrs
- Resume building workshop
- Mock aptitude test
- Pre-placement orientation session

CAREER

- 20+ hrs live cohort + recorded lectures
- 2 projects + capstone (Minor + Major)
- 6 months LMS access, extendable till placed
- QR-verified + Industry-Readiness certification
- Priority mentor support — SLA ≤ 24 hrs
- Resume + LinkedIn profile building
- 1-on-1 mock interviews with feedback
- Active placement & referral assistance

Common to Both Tracks

All 7 Curriculum Modules

All 6 Capstone Projects

Mentor-Reviewed Checkpoints

Training + Internship Certificate

Where UrbanScholar Generative AI Learners Can Head

AI Product Startups

Enterprise AI Teams

IT Services & Consulting

Agencies Building AI Tools

Freelance / Independent Consulting

Placement Journey

How career support is woven through the program, not tacked on at the end

1

Build Foundation

Resume & LinkedIn built around real project outcomes, not generic templates.

2

Sharpen Aptitude

Structured aptitude & reasoning practice aligned to actual hiring-test formats.

3

Practice Interviews

Mock interviews with direct, specific feedback — not just a pass/fail score.

4

Get Placement Ready

Soft-skill coaching and, on the Career track, active referral support.

Why this order matters: most programs bolt placement prep onto the last week. Here it runs in parallel with the technical modules, so by the time your capstones are done, your resume and interview readiness are already in place — not started from scratch.

Quick Questions

Do I need prior background to start?

Some familiarity helps, but the early modules — starting with Foundations of Generative AI — rebuild the fundamentals from the ground up.

What happens if I fall behind a session?

Every live session is recorded, and mentor SLA windows exist specifically to help you catch up between checkpoints.

Can I switch tracks mid-program?

Yes — Kickstart learners can upgrade to Career at any point by paying the difference, carrying forward completed modules.

Is the certificate recognized by employers?

It's a QR-verified training + internship certificate — employers can verify authenticity directly, not just take it on faith.

UrbanScholar

Industry-Trained. Project-Proven. Career-Ready.

Get In Touch

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PROGRAM

Generative AI — Kickstart & Career Tracks