



GENERATIVE AI PROGRAM

**Elevate your career with
real, applied Generative
AI Skills.**

The Xplora Generative AI Program is designed for professionals and students who want to move beyond using AI tools and start **building with them**

You learn Generative AI, Prompt Engineering, Large Language Models (LLMs), GPTs, Image Generation and Agentic AI, while developing real projects like chatbots, automation workflows and AI-powered tools.

PROGRAM SNAPSHOT

➤ FORMAT

Live online classes with industry experts

Self paced modules, labs and projects

Flexible schedule designed for people who are working or studying

➤ TRAINING LOAD

96 hours of live, instructor led training over 6 weeks

Flexible start dates within this period

SUPPORT & CAREER FOCUS

24/7 learning support

Projects and hackathons that mirror real work

Interview and networking opportunities with hiring partners

CERTIFICATION

XPLORA CERTIFICATE

MICROSOFT CERTIFICATION

MICROSOFT LEARNING MATERIALS



WHY GENERATIVE AI, WHY NOW

Generative AI is one of the most in demand skill sets in the world of work.

- Millions of AI related roles are expected globally in the next few years
- The AI industry is growing at above 25% per year
- Professionals with GenAI and LLM skills are already seeing significant salary growth
- Countries like India and the USA are facing large gaps between demand and supply of AI talent

This program is built to give you a head start, so you are not just watching the AI wave, you are riding it.

Xplora and its partners already support:

- Learners in 150+ countries
- Thousands of industry expert instructors
- Hundreds of hiring partners and corporate clients

HOW YOU LEARN

01

Instructor Led Training

Live online sessions with experienced practitioners who work with GenAI and LLMs every day.

Concept explanations, walkthroughs and live demos.

02

1 to 1 & hands on practice

Guided exercises, mini projects, quizzes and a capstone project

Opportunities for individual feedback and mentoring

03

Self Paced videos

On demand video lessons to review concepts whenever you need

Ideal for revision and catching up if you miss a live session

04

Projects and exercises

Practical tasks that simulate real use cases in business and tech

Step by step project builds so you can see how everything connects

05

Hackathons

Short, intensive build sprints to experience how real AI projects are delivered under time pressure

Collaboration with other learners on practical challenges

06

Peer networking and group learning

Learn with a cohort of like minded professionals

Group activities, discussions and shared problem solving

07

Gamified learning

Activities and challenges that make it natural to practise and apply what you learn, not just watch videos

PROGRAM CURRICULUM

[Module 01] PYTHON BOOTCAMP

➤ You start with Python basics so you can actually code things:

Install Python and the tools (IDEs, notebooks).

Individual innovation concept

Learn variables, data types, loops, if/else.

Write functions and get an intro to object-oriented programming.

[Module 02] INTRO TO NLP & TEXT PROCESSING

➤ Here it moves into text processing:

What NLP is and real use cases like chatbots, translation, extraction.

Lowercasing, removing punctuation, stopwords, stemming, lemmatization using NLTK / spaCy.

Splitting text into tokens (words, sentences) and understanding token types.

Using regular expressions to find patterns, clean data, and pull structured info from raw text.

Turning text into numbers with Bag-of-Words, TF-IDF, and a first look at word embeddings.

[Module 03] CORE NLP TASKS

➤ This is about classic NLP problems:

Classifying text with ML models (e.g. spam vs not spam, sentiment).

Using Named Entity Recognition to detect names, companies, places, etc.

Tagging words with their grammatical roles to understand sentence structure

Looking at how words are connected in a sentence with POS tagging and syntax analysis.

Using modern models for summarisation & emotion / sentiment detection.

[Module 04] **GENERATIVE AI ESSENTIALS**

➤ Foundation for GenAI:

What Generative AI is and where it is useful.
Main concepts and applications.
Practising these skills with hands-on tasks.

Basics of prompt engineering.

How tools like ChatGPT work at a high level.

[Module 05] **ADVANCED GENERATIVE AI: MODELS & ARCHITECTURES**

➤ Now it goes deeper into model types:

General intro to generative models.
Generative Adversarial Networks (GANs).
Comparing different model families.

Variational Autoencoders (VAEs).

Transformer architecture and attention mechanisms.

[Module 07] **AGENTIC AI: CONCEPTS, FRAMEWORKS & IMPLEMENTATION**

➤ Now it moves into “AI agents”

What agentic frameworks are and when to use them.

Making agents that react dynamically to inputs.

Workshop to design, test, and improve your own custom agents.

Using open-source agent tools (things like LangGraph, etc.).

Live demo of building and debugging agents step by step.

Measuring agent performance & improving iteratively.

[Module 08] **IMAGE GENERATION TECHNIQUES**

➤ Here they focus on images, not text:

Understanding autoencoders conceptually.

Overview of Stable Diffusion.

Building small practical image-generation projects.

What diffusion models are.

Denosing concepts.

[Module 09] **GENERATIVE AI GOVERNANCE**

➤ This is the “don’t get sued or cancelled” part:

Governance frameworks for GenAI.

Regulatory and compliance aspects.

Upcoming trends and future challenges.

Ethics and responsible AI use.

Best practices to use models safely.

[Module 10] **DEPLOYING GENERATIVE AI MODELS**

➤ How to put models into production:

Typical deployment workflows for LLM / GenAI apps.

Creating interactive demos with tools like Gradio and Streamlit.

Deploying on cloud platforms such as AWS, GCP, or Hugging Face Spaces.

Exposing models as REST APIs using FastAPI.

Packaging apps with Docker for scale.

Monitoring, scaling, and maintaining production systems.

[Module 11] **EVALUATING GENERATIVE AI MODELS**

➤ How to judge if your model is any good:

Why evaluation of LLM outputs matters: accuracy, relevance, safety.

Spotting and reducing hallucinations, bias, and prompt-injection issues.

Automated vs manual evaluation strategies for different tasks.

Key metrics: BLEU, ROUGE, METEOR, perplexity, plus human feedback loops.

Stress-testing and robustness checks.

A project comparing multiple LLMs on real use cases.

SKILLS TO MASTER

Generative AI is one of the most in demand skill sets in the world of work.



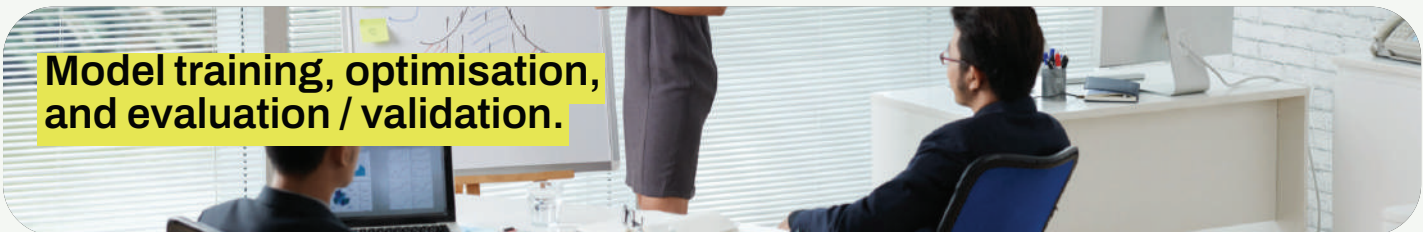
Explainable AI

Large Language Models and NLP.

Reinforcement learning

Computer vision basics

Model training, optimisation, and evaluation / validation.



Generative AI for business use cases.

Both supervised and unsupervised learning.



COURSE PROJECTS

RETAIL
HEALTHCARE
SOCIAL MEDIA
E COMMERCE
INSURANCE
ENTREPRENEURSHIP
SUPPLY CHAIN

Examples of featured projects:

➤ E COMMERCE CONVERSATIONAL BOT

A chatbot that gives recommendations based on user prompts, using LLMs and frameworks like LangChain and OpenAI APIs.

➤ DOCTORONE

A conversational assistant that generates a first pass diagnosis from patient summaries & symptoms, working with vector stores and LLMs.

➤ WEBCURATE

A generative AI tool that creates website designs and page structures from prompts, using text and image generation.

➤ ANSWER ME

A conversational system that runs technical assessments in real time and scores proficiency from spoken or written responses.

➤ MARKETER AI

A content tool that generates campaign assets, images and videos from prompts for marketing teams.

➤ ANALYZER AI

A system that reads raw files and produces actionable insights for business users.

➤ SECURE BOT

A generative AI assistant that generates code or scripts tailored to specific requirements.

➤ AGENTIC AI WITH N8N

Design and deploy AI powered agents that can orchestrate workflows, automate tasks & make decisions using LLMs and automation tools.

➤ MCP SERVERS FOR GPT

Build and deploy MCP server infrastructure to optimise GPT use, test prompts, integrate APIs and manage CI/CD for enterprise ready deployments.

WHAT YOU

After completing the Xplora Generative AI Program, you will:

Understand the foundations of Generative AI, LLMs, transformers and prompt engineering

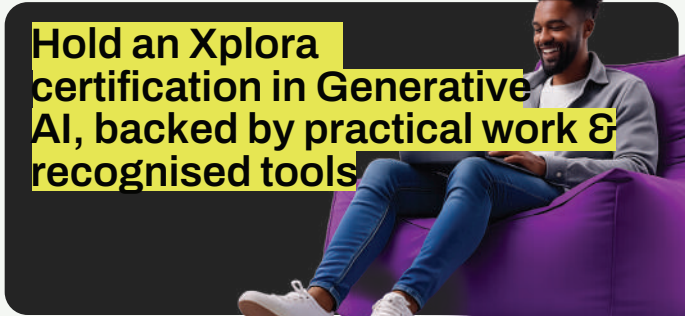
Know how to work with APIs, frameworks and deployment tools to get your models into real use

Have a portfolio of concrete projects that you can show to employers or clients

Be able to design and build GenAI applications, from chatbots & copilots to workflow automation and AI powered tools

Be more confident speaking about AI with both technical & non technical stakeholders

Hold an Xplora certification in Generative AI, backed by practical work & recognised tools



WALK

AWAY WITH

WHO THIS PROGRAM IS FOR

This program is ideal for:

- **Students and recent graduates** who want to stand out in applications and interviews with real GenAI projects, not just theory.
- **Early-career professionals** in tech, data, marketing, design or product who want to future-proof their skills.
- **Working professionals** who see AI coming into their industry and want to be the person who leads that change, not the one catching up.
- **Entrepreneurs and freelancers** who want to use GenAI to build products faster, automate work and offer higher-value services.

If you are curious, ambitious and ready to learn by building, this program is built for you.

One year from now, you'll either be watching AI reshape your field or helping lead that change.

**THIS PROGRAM IS FOR PEOPLE WHO
CHOOSE THE SECOND OPTION.**