



Career. Skills. Growth.

Generative AI & Agentic AI Specialization Summary



A structured,
flexible & guided
LIVE learning
Program



For More Information
intelliinnovationstechnologies.in





Transforming Careers in Generative AI Specialization

About IntelliBI

IntelliBI is one of Pune's fastest-growing edtech companies, dedicated to advancing careers in data and IT. With a proven **success rate of over 90-95%**, we have become a trusted name in the field of **industry-aligned IT project training**. Recognized for our excellence, IntelliBI has received **two prestigious awards** from silicon India, acknowledging us as one of the **leading IT project training companies** in the India.

Our Mission

At IntelliBI, We empower individuals with cutting-edge business Intelligence and Analytics skills. By bridging the gap between industry demands and talent readiness, we deliver hands-on training that creates confident, job-ready professionals. Our mission is to transform confusion into clarity and potential into success through expert mentorship, industry-aligned curriculum, and strong placement support.

Our Centre





Our Flagship Program

01

Data Science Foundations

02

**Deep Learning & NLP with Trans-
formers**

03

**Generative AI with APIs, Local
Deployment & Prompt Engineering**

04

RAG & AI Agents

05

**Advanced Deployment,
Multimodal GenAI & MLOps**



Course Overview

A Comprehensive Curriculum Designed for Real-World Success

(Weeks 1–6)

Module 1: Data Science Foundations (Weeks 1–6)

- Week 1: Intro to Data Science → lifecycle, tools (Jupyter, Git).
 - Week 2: Python for DS → NumPy, Pandas, file handling.
 - Week 3: Data Exploration & Viz → EDA, dashboards.
 - Week 4: Probability & Stats → distributions, hypothesis testing.
 - Week 5: ML Basics → regression, classification, clustering.
 - Week 6: Advanced ML + Deployment → ensembles, neural nets, Flask/Docker.
- 📦 Mini-Capstone 1: House Price Predictor (EDA + regression, Flask API, Dockerized).

(Weeks 7–11)

Module 2: Deep Learning & NLP with Transformers

- Week 7: Neural Nets → perceptrons, activation, backprop.
 - Week 8: NLP Basics → tokenization, embeddings, preprocessing.
 - Week 9: Sequence Models → RNNs, LSTMs, sentiment analysis.
 - Week 10: Transformers → attention, encoder-decoder, Hugging Face.
 - Week 11: Fine-tuning Transformers → LoRA/PEFT, task-specific NLP.
- 📦 Mini-Capstone 2: Sentiment Classifier (Fine-tune Transformer + deploy with FastAPI/Spaces).

(Weeks 12–15)

Module 3: Generative AI with APIs, Local Deployment & Prompt Engineering

- Week 12: Intro to GenAI → GANs, VAEs, transformers, applications.
 - Week 13a: API Integration → OpenAI, Hugging Face.
 - Week 13b: Local Deployment → Ollama, vLLM, open-source models.
 - Week 14: Prompt Engineering → zero/few-shot, CoT, evaluation.
 - Week 15: Responsible AI → bias, fairness, hallucination reduction.
- 📦 Mini-Capstone 3: Customer Support Chatbot (API or local LLM + prompt library).



(Weeks 16–19)

Module 4: RAG & AI Agents

- Week 16: Embeddings & Vector DBs → FAISS, Pinecone, semantic search.
- Week 17: RAG Pipelines → LangChain, hybrid RAG, knowledge graphs.
- Week 18: Agentic AI → LangChain Agents, CrewAI, AutoGen, memory systems.
- Week 19: LLM Fine-Tuning → LoRA, RLHF, evaluation methods.
- 🏠 Mini-Capstone 4: Enterprise RAG Assistant (LangChain + Vector DB + CrewAI agents).

(Weeks 20–24)

Module 5: Advanced Deployment, Multimodal GenAI & MLOps

- Week 20: Cloud Deployment → Docker, Kubernetes, AWS/GCP.
- Week 21: GenAI MLOps + Security → CI/CD, MLflow, monitoring, agent security.
- Weeks 22–23: Multimodal GenAI → CLIP, Stable Diffusion, text-image pipelines.
- Week 24: Final Capstone Prep → choose project, deploy end-to-end.
- 🏠 Mini-Capstone 5: Cloud-Deployed GenAI Service (CI/CD + monitoring).

Final Capstone:

- RAG Assistant – Knowledge search + retrieval
- Multi-Agent AI Assistant – Workflow automation with agents
- Multimodal Search Engine – Text + image retrieval
- Workflow Automation Agent – Jira/Slack/CRM integration
- Healthcare AI Assistant – Summarize & assist with records

Deliverables:

- Cloud deployment (Docker/K8s + CI/CD)
- Demo presentation + GitHub repo
- Documentation with real-world use case

Outcome:

Portfolio-grade project aligned with
GenAI Engineer → AI Solutions Architect roles.



- ◆ **Duration: 24 Weeks (~6 Months)**
- ◆ **Structure: 5 Courses + Mini-Capstones + Final Capstone**
- ◆ **Deliverables: 11 Portfolio Projects (5 Mini + 6 Final)**

Program Highlights

- 1.) Hands-On: build & deploy real AI projects.
- 2.) Industry-Focused: Python, ML, DL, RAG, Agents, MLOps.
- 3.) Portfolio-Ready: 11 projects to showcase.
- 4.) Career Support: resume, mock interviews, mentorship.

Capstone Examples

- ◆ **Mini: Spam Detector, Chatbot, GenAI API App, RAG Pipeline.**
- ◆ **Final: End-to-End Multi-Agent AI Deployment.**





Project Details

Module Projects

Mini-Capstone Project 1 – Predictive Analytics App (House Price Predictor)

- **Dataset:** Kaggle House Prices
- **Stack:** Python, Pandas, Scikit-learn, Flask/FastAPI, Docker
- **Deliverables:** Notebook + Dockerized API
- **Evaluation:** $R^2 > 0.75$, API demo

Mini-Capstone Project 2 – Sentiment Classification with Transformers

- **Dataset:** Hugging Face IMDB Reviews
- **Stack:** Hugging Face Transformers, PyTorch, FastAPI, Streamlit
- **Deliverables:** Fine-tuned model + REST API
- **Evaluation:** F1-score > 0.80

Mini-Capstone Project 3 – Customer Support Chatbot (API or Local LLM)

- **Dataset:** Custom FAQ dataset
- **Stack:** OpenAI API or Ollama, LangChain, Streamlit/Gradio
- **Deliverables:** Prompt library + chatbot interface
- **Evaluation:** Responsiveness & ethical handling

Mini-Capstone Project 4 – Enterprise Document QA Assistant (RAG + Agents)

- **Dataset:** PDF research papers / arXiv dataset
- **Stack:** FAISS, LangChain, CrewAI, Hugging Face models
- **Deliverables:** RAG chatbot + CrewAI workflow
- **Evaluation:** Faithfulness, hallucination reduction



Mini-Capstone Project 5 – Cloud-Deployed GenAI Service

- **Dataset:** Wikipedia dumps / product FAQs
- **Stack:** Docker, Kubernetes, AWS/GCP, MLflow
- **Deliverables:** Cloud-deployed service + monitoring dashboard
- **Evaluation:** CI/CD + monitoring setup

Domain Specific Projects

Final Capstone – End-to-End Generative AI System

- **Options:**
 - RAG Assistant
 - Multi-agent AI Assistant
 - Multimodal Search Engine
- **Stack:** LangChain, CrewAI, Hugging Face, FAISS, Docker, Cloud
- **Deliverables:** Full project repo + demo
- **Evaluation:** End-to-end integration + scalability

Enterprise Knowledge Base Chatbot

- **Domain:** Banking / Healthcare / Retail
- **Build a chatbot that connects to enterprise documents, PDFs, or compliance data using RAG + Vector Databases (Pinecone, Weaviate, FAISS).**
- **Showcase scalability + domain-specific fine-tuning.**

AI Agent for Workflow Automation

- **Example: “Meeting Scheduler Agent” → Reads emails, checks calendars, books slots.**
- **Uses CrewAI / AutoGen + external APIs.**
- **Shows tool-use & multi-agent orchestration.**



Multimodal Search Engine (Image + Text)

- Use CLIP / BLIP / LLaVA models.
- Example: Upload an image of a product → system retrieves similar products + generates descriptions.
- Strong real-world e-commerce / media application.

AI Code Reviewer Agent

- Agent that reviews Python/SQL code and suggests improvements.
- Integrates LLMs + static code analysis tools.
- Practical for developer-focused portfolios.

AI-Powered Resume Matcher & Job Assistant

- Upload job description → agent extracts key skills → matches with candidate resumes → generates improvement suggestions.
- Great HR + Recruitment domain showcase.



Gen AI & Agentic AI Syllabus Roadmap

Empowering Careers with Data Skills



IntelliBI Course Completion Certificate

Career-Ready Skills & Support

Training Phase: 4-5 Months

- Live Sessions with industry mentors
- Dedicated doubt clearing session
- Mentor Session
- Module wise Projects
- Mock interview
- Daily Meeting Discussion forum
- Realtime use case Assignments
- CRM access for Interviews

Placements Phase: 2.5 Months

- Project-Based Mock Interviews ○
- Final Projects ○
 - Banking ● Retail ● Insurance ●
- Business Communication Skills ○
- Aptitude & Logical Reasoning ○
- Role Understanding & Domain Mapping ○
- Agile & Waterfall Methodologies (E2E Project Flow) ○
- Resume Building ○
- Self-Introduction Preparation ○
- LinkedIn & Job Portal Guidance ○
- Mock Interviews ○
- R4: HR ● R3: Managerial ● R2: Technical ● R1: Screening ●
- 1-on-1 Feedback ○
- Strengths & Improvement Areas ○
- Placement LMS Access ○
- Placement Assistance ○



Career Pathways



NLP Engineer

Focus: Classical NLP (tokenization, embeddings, transformers, sentiment analysis, etc.)

Job Titles: NLP Engineer, Applied NLP Scientist, Machine Learning Engineer (NLP)



Prompt Engineer

Focus: LLM optimization, prompt design, context management

Job Titles: Prompt Engineer, LLM Prompt Specialist, Conversational AI Designer



RAG Engineer

Focus: Retrieval-Augmented Generation, vector DBs, hybrid search pipelines

Job Titles: RAG Engineer, LLM Integration Engineer, Knowledge Retrieval Engineer



GenAI Specialist (Agent-focused)

Focus: Building single LLM agents with memory, APIs, and tools

Job Titles: GenAI Specialist, LLM Applications Engineer, AI Agent Developer



Agentic AI Engineer / Agent Systems Engineer

Focus: Multi-agent systems, autonomous workflows, orchestration frameworks (LangGraph, AutoGen, CrewAI)

Job Titles: Agentic AI Engineer, Multi-Agent Systems Engineer, Autonomous AI Engineer, AI Orchestration Engineer



AI Solutions Architect

Focus: Designing full-scale AI ecosystems, infra, compliance, deployment, governance

Job Titles: AI Solutions Architect, GenAI Solutions Architect, Enterprise AI Architect



IntelliBI Advantages



Certification

Professional Certification in Generative AI & Agentic AI



Aspirational peer group

10K+ students & alumni across diverse domains. Dedicated Telegram virtual classroom for peer-to-peer support.



Eligibility

Tech & Non-Tech Working professional, Freshers, Graduate from any domain.



Mode of Learning

100% Live Learning Learn directly from experienced instructors in Live sessions, with an emphasis on practical, hands-on learning.



Program Duration

5-6 Months



Live Doubt Solving

Get your queries solved with daily dedicated doubts solving sessions.



Instructor

Experts and trainer for top-tech companies.



ISO Certified

10+ ISO Globally recognized certified



AI Mock Interviews

Practice and improve with AI feedback



LinkedIn Optimization

Boost recruiter visibility



GitHub Enhancement

Showcase coding skills



Direct CRM Calls

Get shortlisted instantly



800+ Companies

Connect with top employers



LMS Access for 2 Years

Get course recording access for 2 years after course completion.



Real time projects

Gain hands-on experience through projects that simulate real-world challenges, preparing you for a career in analytics.



Instructor-Led 100% Live Online Classes

Learn directly from experienced instructors in live & interactive sessions, with an emphasis on practical, hands-on learning.



Placement Assistance Until Placed

Along with up skilling and preparing you for the job, we also help you for your search & your interview.



Dedicated Profile Building

Along with learning, we help you with ATS resume building and LinkedIn profile optimization



Hands-on Industry Relevant Casestudies

Complete guidance for 25+ Assignments and case studies to help you gain the hands-on experience.





Certifications

IntelliBI Gen AI & Agentic AI Certification

The certificates is given by IntelliBI on course completion, module completion or internship of the Gen AI & Agentic AI program. The certificate is recognised globally.





Alumni Spotlight

Where Skills Meet Careers.



Parik Shelke
Azure Data Engineer

"No IT background, but I still cleared technical interviews. Why? Because I had already built real-time streaming dashboards and event Medallion pipelines during training. Everything was hands-on and industry-like."

Key Tools: ADF, Event Hub, Synapse, Data Lake

Project Highlight: IoT Data Stream & Live Dashboard (Healthcare)


Helped Crack Interview: Streaming + Medallion Architecture

QA



Azure Data Engineer

@ **MNC**

 **150%**
Salary Hike



Vijay Gawade
Java Software Engineer

"No IT background, but I still cleared technical interviews. Why? Because I had already built real-time streaming dashboards and real-time projects during training. Everything was hands-on and industry-like."

Key Tools: Web Application Development

Project Highlight: APIs & Microservices


Helped Crack Interview: Real-Time Data Handling

Mechanical Engineer (Non-IT)



Java Software Engineer

@ **Infosys**

 **110%**
Salary Hike



Mayur Gougale
Java Software Engineer

"Transitioning into a Java Full Stack role was challenging, but IntelliBI's mentor-driven guidance and real-time projects made all the difference. I mastered building secure, scalable web applications and handling end-to-end deployment confidently."

Key Tools: Java, Spring Boot, React.js, REST APIs, MySQL

Project Highlight: E-commerce Platform with Payment Gateway Integration


Helped Crack Interview: Full Stack Architecture & API Security

IT Support



Java Software Engineer

@ **Deloitte**

 **170%**
Salary Hike



Sonali Bhagat
Azure Data Engineer

“Although I was from IT, I had zero data/cloud experience. At IntelliBI, I built cloud projects in E-commerce and Banking, including a Medallion layer that handled high-volume event logs. Each tool – ADF, Synapse, Databricks – was taught practically.”

Key Tools: ADF, Synapse, Databricks, Azure SQL

Project Highlight: Log Mediation for Transaction Monitoring (BFSI)

Helped Crack Interview: Medallion Architecture

Frontend Developer
(IT)



Azure Data Engineer

@ Infosys

 **180%**
Salary Hike



Shubham kale

MCA Fresher



Azure DE @
CLOVER
INFOTECH

BI Developer



Sachin Khandekar

Mechanical Engineer



Azure DE @
MNC

Senior Consultant



Vishnu Mali

IT Support



Azure DE @
datafortune
Key to unlock future is data

Data Engineer



Our Alumni works at



Key Stats Section



11K+

Students Placed



Top 1%

Industry Expert Mentors



95%

Placement Success rate



4-5 LPA

Average Fresher Salary



800+

Company Reach



Frequently Asked Questions



No Coding background?

Thoughtfully designed curriculum helps you to learn from scratch to emerge confident & comfortable.



Missed a class?

Watch the recorded version later, with dedicated live sessions to solve your doubts.



Have Doubts?

Get them resolved over live doubts clearing session



Flexible Course Timings?

Convenient schedules designed for working professionals & graduates to balance learning with their careers.



Want to revise?

Access assignments and recording up to 2 years after course completion.



Career Support Services

We Support You Beyond Learning



Resume Building



LinkedIn Optimization



Access to Exclusive Job Board



Unlimited Interview Calls



GitHub Portfolio Assistance



Placement Campus Drives





Student Google Reviews



KOMAL RANDHAVAN

1 review • 0 photos



★★★★★ 6 weeks ago

joined the data analyst class two months ago. It has been a very positive experience. The sessions were easy to understand. I gained good knowledge of SQL & power BI. Overall I feel more confident. Thank u for support & guidance.



Aman Meena

Local Guide • 24 reviews • 1 photo



★★★★★ 22 weeks ago

IntelliBI Innovation Technology is an excellent institute for data analytics. The teaching is top-notch, and the placement support is outstanding, ensuring strong career opportunities. Highly recommended.



Rupesh Bhalerao

1 review • 0 photos



★★★★★ 45 weeks ago

I enrolled in the Azure Data Engineering course after hearing great reviews. I was particularly interested in real-world projects. During the training, I developed an end-to-end pipeline using Azure Data Lake and Azure SQL, handling batch data processing and stream data through Event Hubs. The project involved building error log and audit tables, which are crucial in real-world scenarios.



Mayur Gugliya

1 review • 0 photos



★★★★★ 49 weeks ago

I recently completed my Azure Data Engineer training with a focus on Python and Spark at IntelliBI Technologies, Wakad, and it was an exceptional experience. The well-structured program covered all the crucial aspects of data engineering, and the trainers, who are industry experts, delivered the course with practical, real-world examples. The emphasis on hands-on learning, with exercises and projects, truly enhanced my skills and prepared me for real-world challenges.

The support from both the trainers and administrative staff was outstanding, making my learning journey smooth and effective. Thanks to the comprehensive training and placement assistance provided by IntelliBI, I secured a position in the field with an attractive package.

I highly recommend IntelliBI Technologies for anyone serious about advancing their career in data engineering. My experience was excellent, and I am grateful for the opportunities they provided.



Student LMS Reviews

Rating and feedback

Sat, 12 Jul 2025 • 6:50 am - 8:58 am

★ 10/10 Suyash Todkari

★ 10/10 Diwakar Bansal
"Nice session on Lamda and File read write operations"

★ 9/10 Kiran Ubale
"Helpful session... Covered File handling part nicely "

★ 10/10 Amit Khatale

★ 10/10 Nitin Gaikwad

★ 10/10 Neha Kapurkar
"It was helpful"

Rating and feedback

Tue, 05 Aug 2025 • 7:02 am - 9:04 am

★ 9/10 Akshay Mahadik

★ 10/10 Sagar Gondane

★ 10/10 Diwakar Bansal
"Nice session on increment load"

★ 9/10 Kiran Ubale



Our Milestones



Programs we Offer



Data Analytics



Generative AI



Java Full Stack



Data Science



Cloud Data Engineering (AWS Azure)



Why IntelliBI?

At IntelliBI, we specialize in IT project training and are widely recognized for it. We cover 99.99% of real-world project use cases and train you to perform like a senior data analyst. Our proven strategies set us apart, consistently helping students achieve career success with an average placement record of 90-95%.



Industry-Backed Certification

Stand out with a globally recognized certification from a leading tech giant.



Proven Placement Record

11,000+ students placed across leading companies.



Project-Based Learning

Gain hands-on experience with real-world GenAI projects, preparing you to tackle industry challenges confidently.



Career Support Beyond Learning

Resume building, LinkedIn optimization, and unlimited placement calls.



Learn from Gen AI Industry Mentors

Gain insights from top industry experts in Generative AI. Our mentors bring real-world experience to help you master advanced skills.



Real Projects | **Real Experience**



Cutting-Edge Curriculum

Stay ahead with training in Python, Generative AI APIs, PyTorch (OpenAI, Google Gemini, Claude).



Your Steps To Success

Learn Live with IntelliBI



04

Get Placed.

Ace your placements & land your dream tech job.

Opportunities

Data Scientist/ Data Analyst/
ML Engineer/ Financial Analyst/
Business Consultant/ HR Analyst/
Risk Analyst / Healthcare Analyst



03

Resume Building & LinkedIn optimization

Get an ATS optimised CV and align your LinkedIn profile with industry standards to increase your chances of being shortlisted.



02

Mock Interview & Interview preparation

Mock Interview sessions allow you to practise your skills. Interview with industry expert trainer helps you prepare for the real life interviews and frequently asked questions.

01

Course Completion & Certification

EXCEL, SQL, PowerBI, Tableau, Azure, Python, ML, AI, Deep Learning, NLP, GenAI, Data Science & Analytics, 6-Months Internship Certificate upon course completion.





Get In Touch With Us



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