



Master NLP + GenAI Weekend Certification Program

Master AI Skills in Just Weekends — From Basics to Deployment

10-12 Weeks | Live + Recorded Lectures | 4+ Industry Based Projects | Online (Sat -Sun) Classes

Top In-Demand Machine Learning & Deep Learning Tools Covered



VS Code



Tensorflow



PyTorch



HuggingFace



OpenAI GPT



Scikit-learn



OpenCV



Langchain



FAISS



Flask

Learn industry-ready tools with a strong foundational understanding, enabling you to apply them confidently in real-world AI projects. Equip yourself with cutting-edge technologies that truly make you industry-ready.

A Program Built for Your Success & Career Growth

Our curriculum, teaching style, and projects are carefully designed to accelerate your learning and equip you with the real-world skills needed to succeed in the AI industry. From highly rated sessions to practical project work, this program delivers measurable growth — with learners consistently reporting increased clarity, confidence, and readiness for real-world AI challenges.

We don't just teach ML and DL, we build your foundation, sharpen your skills, and support your journey toward meaningful career growth through hands-on, high-impact learning. This structured and project-driven experience ensures you not only understand AI concepts, but can confidently apply them where it matters most.

4.8/5 average session rating

100% learner satisfaction

100% industry-relevant projects.

70% learners achieve career growth

Program Highlights

- **Open to All Backgrounds** — whether you're a student, fresher, or working professional, you can start your AI journey with zero prior experience.
- **Live + Recorded Sessions** with dedicated 1-on-1 doubt-clearing to ensure every learner gets personal support.
- **4+ Industry-Grade Projects** across DL and NLP/GenAI to build a strong, job-ready portfolio.
- **Beginner-Friendly Curriculum** — we start from fundamentals and gradually move to advanced real-world applications.
- **Weekly Assignments & Assessments** to reinforce concepts and track progress consistently.
- **Learn From Industry Experts** who bring practical experience and guide your AI career path.
- **Career & Placement Assistance** including resume building, mock interviews, and portfolio guidance.
- **Industry-Recognized Certification** upon successful completion of the program.
- **Complete AI Stack Training:** Deep Learning → NLP/GenAI → Deployment.
- **Deployable Capstone Project** to showcase your skills with a real proof of work.

Top Performers Placed At Leading Companies



What You will learn:

Natural Language Processing (NLP)

- Text preprocessing & feature engineering
- Tokenization, stemming, lemmatization
- Text classification & sentiment analysis
- Traditional NLP vs Deep NLP
- Fine-Tuning of LLMs

Generative AI & LLMs

- How LLMs work (GPT-style models)
- Prompt engineering (basic → advanced)
- OpenAI / open-source LLM integration
- Real-world GenAI use cases

Retrieval Augmented Generation (RAG)

- Document ingestion & chunking
- Vector embeddings & similarity search
- Building context-aware AI systems
- Preventing hallucinations using RAG

AI Chatbot Development

- End-to-end chatbot architecture
- Memory, chat history & context handling

Production deployment of GenAI applications

- REST API development for AI services
- Flask-based backend architecture for LLM systems
- API integration, testing, and deployment workflows



LET'S CHANGE The world *With* **AI**



SSAITI



Hands-on Projects

1. AI Chatbot Application

- Conversational chatbot using LLMs
- Context-aware responses
- Real-world deployment flow

2. RAG-Based System

- Upload PDFs / documents
- Accurate answers from custom data
- Enterprise-style knowledge bot

3. Sentiment Analysis System

- Analyze reviews, feedback & social data
- Positive / Negative / Neutral classification
- Business intelligence use case

4. Customised Models for Text Classification (Perfect for Researchers)

- Multi-class text classification
- Ensemble Technique for Multi-Model Implementation
- Model evaluation & optimization

Get Mentored By Industry Professionals

Usama Khan

Ghufran Siddiqui

Umar Tahir Kidwai

GenAI Expert

Deep Learning & MLops

Data Scientist

Sr. AI Developer

AI Research Scientist

AI Research Scholar

Intellypod

BITS Pilani

Ulster University, UK

After Completing This Program, You Will Be Able To

- **Design and build production-ready GenAI applications** using modern Large Language Models (LLMs).
- **Develop intelligent NLP systems for sentiment analysis**, text classification, and information extraction.
- **Build and deploy RAG-based applications** that generate accurate, context-aware responses from enterprise data.
- **Create scalable AI chatbots** with memory, context handling, and real-world conversational workflows.
- **Develop and expose GenAI functionalities through RESTful APIs** using Flask for enterprise-grade integrations.
- **Deploy GenAI solutions into production environments**, following industry best practices for reliability and scalability.
- **Apply prompt engineering and optimization techniques** to improve model accuracy and reduce hallucinations.
- **Work confidently with end-to-end GenAI pipelines**, from data ingestion to deployment.
- **Collaborate effectively with product, backend, and AI teams** on real-world GenAI projects.

Outcomes & Roles You Can Target

- **Generative AI Engineer**
- **NLP Engineer**
- **AI Application Developer**
- **LLM Engineer**
- **Machine Learning Engineer (NLP/GenAI Focus)**
- **Conversational AI Developer**

Who Should Join This Program

No Prior Coding Experience Required

College Students & Freshers

Looking to gain industry-relevant GenAI skills and become job-ready before graduation.

Working Professionals

Software engineers, data analysts, and IT professionals aiming to upskill or transition into GenAI-focused roles.

Aspiring AI & Machine Learning Engineers

Individuals who want to specialize in NLP, LLMs, RAG, and AI application development.

Backend & Full-Stack Developers

Professionals looking to integrate LLMs and GenAI capabilities into production systems using APIs.

Career Switchers

Professionals from non-CS backgrounds who want a structured, guided entry into AI and GenAI.

Entrepreneurs & Product Builders

Founders and innovators looking to build AI-powered products, chatbots, or automation tools.

About SS AI Training Institute (SSAITI)

SS AI Training Institute (SSAITI) is a future-focused AI education platform dedicated to building **industry-ready talent** in Artificial Intelligence, Machine Learning, Generative AI, Computer Vision and Agentic AI.

We specialize in delivering **structured, hands-on training programs** designed by experienced AI professionals, ensuring learners gain not just theoretical knowledge but **real-world, production-level skills** demanded by today's tech industry.

At SSAITI, our learning approach is **project-driven and outcome-oriented**, enabling students and working professionals to confidently build, deploy, and scale AI applications. From foundational concepts to advanced GenAI systems such as **RAG pipelines, NLP solutions, and intelligent chatbots**, our programs are crafted to align with **current and emerging AI roles**.

Our programs are open to learners from all educational and professional backgrounds. **No prior coding or technical experience is required**, as we begin from the fundamentals and progressively advance to production-level AI development.

Ready to Upskill Your Career in GenAI?

Apply Now

 www.ssaiti.com

 +91-6388377008

 career@ssaiti.com