Introduction:

At **Aivaratechnology Pvt. Ltd.**, we are more than just an AI training company — we are a team of passionate innovators, engineers, and educators committed to reshaping how AI is taught and learned.

We believe that **hands-on**, **project-based learning** is the most effective way to master AI. That's why our programs are built around solving real-world problems with real tools — from building intelligent chatbots to deploying computer vision systems.

Our mission is to bridge the gap between academic knowledge and practical application by offering:

- Industry-aligned courses led by real professionals.
- Real-life AI projects that simulate job-ready experiences.
- Mentorship from experts who guide learners at every step.
- Support for career transitions into AI and data science roles.

With a passionate community of learners and a mission to redefine AI education, we empower individuals to transform their curiosity into real-world skills and successful careers.

Headquartered in India and connected globally, we are proud to be shaping the next generation of AI professionals who are ready to innovate, build, and lead.

Expert-Led AI Courses

- Designed and taught by experienced AI professionals from leading tech companies.
- Up-to-date curriculum covering Python, ML, DL, NLP, CV, and more.
- Structured for beginners as well as advanced learners.
- Rich in hands-on coding exercises and case studies.
- Focused on practical understanding over rote theory.

A Real-World Project Labs

- Work on real-life, industry-inspired AI problems.
- Build chatbots, recommendation engines, face recognition, and more.
- Get complete datasets, guided instructions, and solution walkthroughs.
- Submit your work for mentor review and feedback.

• Create a job-winning GitHub portfolio as you learn.

- 1-on-1 mentoring and doubt support from AI experts.
- Regular live Q&A sessions and personalized guidance.
- Access to an active learner community via Slack/Discord.
- Help available at every step from concept to deployment.
- Learning designed to be collaborative and encouraging.

Career-Building Certifications

- Earn verified certificates upon course and project completion.
- Shareable on LinkedIn and resumes to boost your profile.
- Certificate credibility backed by real-world project work.
- Includes career coaching, resume building, and mock interviews.
- Get job-ready with both skill and proof of work.



Who We Are

At Aivaratechnology Pvt., Ltd., wwe orer monone [µs; Al training company ~ wite te a team of passignate innovators, engineors, and educators dedicated to transforming how artificial intelligence is leamed and applied

We believe the best way to master Al is through hande-on, project-based learning Our programs focus on solving real-world problems using realitalis – from building intelligent chatbbots und eploying advanned compunerivison systems Our transion is bridge one gab 'gesween theety gin practical Spolication by offering ar smoólh transitionds mohere prodecaí akihs.

Proudly headquartered in india, are connected globaly - shellinge next generaular of Al professionals ready to build, innovate.



Expert-Led Al Courses

Designed and tought by seasoned Al profesissionals from top tech companies Covers Puthon, Machine Learning. Deep Learning, NLP, Computer Vision, and more Structured paths for both beginners and experienced learners

- Structured paths for both beginners air experienced learners
- · Loaded with hands-on exercises, quizzes and real case
- Focused on practical knowledge you can apply from day on an aployers



Real-World Project Labs

Work on projects modelled after real-world industry challenges Build solutions like chatbots, recommendation engines face recognition systems, and more

Access full dataacts, guided instructions, and end-to-end walkthroughs Submit projects for expert review and improvement Bulld a standout GitHub portfollo to showcase your skills to employers



Mentorship & Support

Get 1 on-1 mentorship and direct access to expérenced Al professionals Join live Q&A sessions, feedback reviews, and expert-led discussions Be part of a thriving learner community on Slack/blecord Personalized support for technical, career, and project related questions Leam in a collaborative, engaging, and supportive environment



Career-Building Certifications

Master AI with Real-World Projects & Industry-Grade Training

Empower your future with hands-on AI training inciented and applice o vel-swandain grovingeration reagy ro-

Explore Courses

View Live Projects



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Who We Are

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Earn verified certificates upon completing courses, and projects

Course:

Course: Generative AI – Build with Creativity & Code



Overview

Generative AI is transforming industries by enabling machines to create text, images, code, and more. This course provides a comprehensive, hands-on introduction to the tools and techniques powering modern generative models like ChatGPT, DALL·E, and Midjourney.

You'll learn how these systems work, how to build your own, and how to apply them ethically and effectively in real-world scenarios—from content creation to software development and beyond.

What You'll Learn

- Fundamentals of Generative AI and foundation models
- Prompt engineering for large language models (LLMs)
- Text generation with OpenAI's GPT models
- Image generation using DALL·E and Stable Diffusion
- Building apps using LangChain and streamlining with Streamlit
- Fine-tuning and deploying LLMs on custom data
- Ethical considerations in generative content

% Tools & Tech Used

- OpenAI (ChatGPT, DALL·E, Whisper)
- Hugging Face Transformers
- LangChain
- Python, Streamlit
- Gradio, FastAPI
- Git, Google Colab, Jupyter
- Vector Databases (FAISS / Pinecone)

31 Curriculum (Week-by-Week)

- 1. Introduction to Generative AI & Use Cases
- 2. Prompt Engineering for Text Generation

- 3. Working with OpenAI's GPT APIs
- 4. LangChain Basics & Building Al Agents
- 5. Image Generation using DALL·E & Stable Diffusion
- 6. Speech & Audio Generation (Whisper, TTS)
- 7. Fine-Tuning & Embedding Models with Custom Data
- 8. Deploying LLM Apps using Streamlit/Gradio
- 9. Capstone Project: Al-Powered Assistant / Generator
- 10. Model Evaluation + Career Guidance



Choose between live sessions with expert instructors or a self-paced track with video lessons and mentor check-ins.

Certificate Info

Earn a recognized "Generative AI Specialist" certificate on successful completion. Showcase your project and skills with verified credentials.

Mentors

You'll be guided by AI innovators and developers working at the forefront of generative technologies in top tech firms and startups.

A Prerequisites

- Intermediate Python knowledge
- Prior exposure to basic ML or NLP is helpful (optional pre-course available)

[Enroll Now]

Course: Machine Learning – Master the Science Behind Smart Systems

Q Overview

Machine Learning is the core of modern AI—powering recommendation systems, fraud detection, predictive analytics, autonomous systems, and more. This course takes you from foundational concepts to advanced models with a strong focus on hands-on implementation.

You'll learn the algorithms behind machine learning, apply them to real-world problems, and deploy your own intelligent systems using Python and popular ML libraries.



- Core concepts: Supervised, Unsupervised & Reinforcement Learning
- Data preprocessing, feature engineering & model evaluation
- Building models using Scikit-learn, XGBoost, and TensorFlow
- Classification, regression, clustering, and dimensionality reduction
- Hyperparameter tuning and model optimization techniques
- Model deployment and ML pipeline creation
- Real-world ML applications in business, finance, health, and more

% Tools & Tech Used

- Python, Pandas, NumPy
- Scikit-learn, XGBoost
- TensorFlow/Keras, PyTorch (intro)
- Matplotlib, Seaborn
- Jupyter, Google Colab
- MLflow, Git, Streamlit

31 Curriculum (Week-by-Week)

- 1. Introduction to Machine Learning & Applications
- 2. Python for ML Numpy, Pandas, and Visualization
- 3. Data Preprocessing & Feature Engineering
- 4. Supervised Learning Linear & Logistic Regression
- 5. Classification Models KNN, Decision Trees, Random Forests
- 6. Unsupervised Learning Clustering & PCA
- 7. Model Evaluation, Cross-validation, ROC, AUC
- 8. Advanced ML Models XGBoost, Ensemble Methods
- 9. Model Deployment using Streamlit + MLflow
- 10. Capstone Project End-to-End ML System

Live training sessions with interactive Q&A, or learn at your own pace with recorded lectures, assignments, and mentor support.

Certificate Info

Receive an industry-recognized "Machine Learning Specialist" certificate after completing projects and assessments. Perfect for showcasing on LinkedIn or resumes.

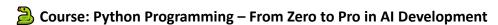
Mentors

Learn from seasoned data scientists and ML engineers from top companies, bringing real-world experience to the classroom.

Prerequisites

- Basic Python programming knowledge
- Understanding of basic math/statistics is helpful (intro module provided)

[Enroll Now]



Q Overview

Python is the backbone of AI, data science, and automation. This beginner-friendly course is the perfect starting point for anyone looking to build a career in technology, especially in AI and data-driven fields.

You'll master the fundamentals of Python, write clean and efficient code, and work on practical use cases that lead you toward AI development, automation, and web-based projects.

✓ What You'll Learn

- Core Python concepts: Variables, data types, operators, loops, and functions
- Object-Oriented Programming (OOP) with real examples
- File handling, error handling, and working with external libraries
- Data structures: Lists, tuples, sets, dictionaries
- Working with APIs, web scraping, and automation basics
- Introduction to data manipulation and visualization with Pandas and Matplotlib
- Building mini-projects and scripts for real-world tasks

% Tools & Tech Used

- Python 3.x
- Jupyter Notebooks / VS Code

- Pandas, NumPy
- Matplotlib, Seaborn
- Requests (for API handling), BeautifulSoup
- Git & GitHub basics

31 Curriculum (Week-by-Week)

- 1. Python Setup, Syntax & Variables
- 2. Data Types, Conditionals, and Loops
- 3. Functions, Scope, and Recursion
- 4. Data Structures: Lists, Tuples, Sets, Dictionaries
- 5. Object-Oriented Programming (Classes & Objects)
- 6. Modules, File Handling, and Exception Management
- 7. Using APIs and Web Scraping Basics
- 8. Data Handling with Pandas & NumPy
- 9. Plotting with Matplotlib & Seaborn
- 10. Capstone Project Real-life Python Automation or Data App



Choose from instructor-led live classes or learn at your own speed with recorded content, quizzes, assignments, and ongoing support.

Certificate Info

Earn a "Python for AI & Data Development" certificate after successfully completing course assessments and a final project.

Mentors

Experienced Python developers and AI engineers will guide you through the journey — from basics to practical applications.

• Prerequisites

- · No prior programming experience required
- Laptop & internet connection



Ocurse: Big Data Engineering – Harnessing Data at Scale

Q Overview

Data is the new oil, and Big Data technologies are the tools that help refine it. This course is designed for learners who want to dive deep into processing, managing, and analyzing massive datasets using modern Big Data tools and frameworks.

From Hadoop to Spark and beyond, you'll learn the end-to-end data engineering process, making you job-ready for roles like Big Data Engineer, Data Analyst, or Data Engineer.

What You'll Learn

- Fundamentals of Big Data and distributed systems
- Hadoop Ecosystem: HDFS, MapReduce, Hive, and Pig
- Apache Spark for real-time and batch data processing
- Data ingestion using Apache Kafka and Flume
- ETL pipelines and data workflow orchestration
- Storing & querying data using NoSQL (HBase, Cassandra)
- Deploying data pipelines in cloud environments (AWS/GCP basics)

% Tools & Tech Used

- Hadoop (HDFS, Hive, Pig, MapReduce)
- Apache Spark & PySpark
- Apache Kafka, Flume
- Apache Airflow / NiFi (for pipeline orchestration)
- NoSQL Databases: HBase, MongoDB, Cassandra
- Amazon S3, AWS EMR (optional modules)

31 Curriculum (Week-by-Week)

- 1. Intro to Big Data: What, Why, Where
- 2. HDFS & MapReduce Basics

- 3. Hive, Pig Querying and Processing Data
- 4. Apache Spark & PySpark Getting Started
- 5. Spark Transformations, Actions & Streaming
- 6. Data Ingestion with Kafka & Flume
- 7. Building ETL Pipelines with Airflow or NiFi
- 8. NoSQL Databases HBase, Cassandra Use Cases
- 9. Deploying Big Data Projects in Cloud
- 10. Capstone Project End-to-End Data Pipeline for Real-Time Use Case



Select from live instructor sessions or flexible learning with lifetime access to recorded content, hands-on labs, and community support.

Certificate Info

Get a "Big Data Engineering & Analytics" certificate after course and project completion. Add it to your resume and LinkedIn to boost job visibility.



Mentors

Industry professionals with experience in data engineering at top tech and product companies will guide you through practical projects and real-time use cases.



Prerequisites

- Basic understanding of programming (Python/Java recommended)
- Familiarity with databases (SQL/NoSQL basics)



Projects:

Al Chatbot for Customer Support

Description:

Build a multi-turn chatbot that can understand user queries, search a knowledge base, and respond naturally using NLP techniques and retrieval-augmented generation.

Tags: Python, LangChain, OpenAI, Streamlit

Features:

- Intent detection & entity extraction
- FAQ-based + context-aware replies
- Chat history & feedback logging
- Deployable via web app

Material Al Image Generator using Diffusion Models

Description:

Create a powerful text-to-image app using stable diffusion or similar models to generate high-quality images from user prompts.

Tags: Python, Diffusers, HuggingFace, Gradio

Features:

- Prompt-based image generation
- · Option for inpainting & image editing
- Save/share images
- Lightweight frontend with Gradio

1. Al A

1. Al Art Generator from Text Prompts

Description:

Create a web app that takes a user's natural language prompt (e.g., "a futuristic city at night") and generates high-quality images using a stable diffusion model.

Tags: Diffusers, HuggingFace, Gradio, Python, Generative AI

Features:

- Prompt input and customization (styles, moods)
- Real-time image generation preview
- Download/share option
- Advanced version with image-to-image or inpainting

[View Details]

2. Al Content Writer for Blogs & SEO

Description:

Develop an app that helps users generate full blog posts, SEO content, or product descriptions using GPT models with prompt engineering and templates.

Tags: OpenAI GPT, LangChain, Streamlit, Python

Features:

- Smart templates for different content types
- Keyword-based generation
- Tone/style customization
- **Export to Word or HTML**

[View Details]

3. Personalized ChatGPT Assistant

Description:

Build a ChatGPT-style assistant that remembers user preferences, answers FAQs, and performs tasks like email writing or research support.

Tags: LangChain, Vector DB (Pinecone/FAISS), Streamlit

Features:

- RAG (retrieval-augmented generation) using custom PDFs
- Multi-turn memory support
- · Simple UI with feedback capture
- Deployable as a web service

[View Details]



4. Text-to-Speech Voice Cloner

Description:

Generate human-like voices from text and even clone your own voice using a small dataset.

Tags: Coqui.ai, TTS models, Python, Flask

Features:

- Input text, get audio output
- Option to train on user-uploaded audio samples
- Real-time preview and download
- Great for podcast, audiobook, or personal assistant use

[View Details]



쪈 💻 5. Code Generator from Natural Language

Description:

An app that generates Python code (scripts, functions, or full apps) from simple English instructions using LLMs.

Tags: GPT-4, LangChain, OpenAl API, VS Code Plugin

Features:

- Generates and explains code line-by-line
- Supports Python, SQL, HTML
- Optional integrations with live interpreters
- 1. Multi-Modal Chat Assistant (Text + Image + Voice)
- **Description**: An advanced chatbot that understands text, processes images (e.g. charts or receipts), and responds via text or voice.

Tech Stack: GPT-4 Vision, Whisper (Speech-to-Text), Text-to-Speech, LangChain

Real Use Case: AI customer support or personal assistant

Tags: OpenAI, Whisper, TTS, Streamlit

2. AI-Powered Image Restorer (Upscale & De-Blur Old Photos)

Description: Use GANs or diffusion models to restore damaged or blurry images.

Tech Stack: ESRGAN, Stable Diffusion, OpenCV

Real Use Case: Digital archive restoration, genealogy, media cleanup

Tags: GANs, Diffusers, FastAPI, Computer Vision

- 4. AI Voice Agent for Call Centers (With Memory)
- **Description**: Voice-based agent that answers real-time calls, remembers past interactions, and logs conversation summaries.

Tech Stack: Whisper + GPT + TTS, Twilio, Pinecone

Real Use Case: Replaces or supports human agents in BPOs or helplines

Tags: TTS, STT, Twilio, GPT-4, LangChain

5. Personalized Image Generator Using Style Prompts

• **Description**: Users upload 1-2 selfies and enter prompts to generate AI portraits in various styles (anime, pixel art, painting, etc.)

Tech Stack: DreamBooth, ControlNet, Stable Diffusion

Real Use Case: Social media filters, profile pic tools, art generators

Tags: DreamBooth, Diffusers, Gradio

• **Description**: Upload docs, search them using natural questions. Uses embeddings + context retrieval.

Tech Stack: LangChain, OpenAI, FAISS, Streamlit

Real Use Case: Company intranet search, compliance knowledge systems

Tags: RAG, LLM, Vector Search

- | 8. Smart Resume Analyzer + Interview Bot
- **Description**: Parses resumes, scores them for job-fit, and simulates mock interviews using LLMs.

Tech Stack: spaCy, LangChain, GPT, Streamlit **Real Use Case**: Job prep tools, HR automation

Tags: NLP, GPT, HRTech

• 9. AI Video Generator from Text (with Avatars)

• **Description**: Enter a script \rightarrow get a narrated video with an AI avatar reading it.

Tech Stack: Synthesia API / D-ID, GPT, TTS

Real Use Case: YouTube automation, product explainers, e-learning

Tags: Generative AI, TTS, Avatars

About Us – Aivaratechnology Pvt. Ltd.

Our Story

At Aivaratechnology Pvt. Ltd., we set out with one clear goal — to make Artificial Intelligence education practical, accessible, and career-focused.

We noticed a growing gap between academic theory and real-world AI implementation, so we built a platform that bridges that gap through hands-on, project-based learning.

What started as a vision by AI engineers and educators has now evolved into a growing learning ecosystem — helping students, job-switchers, and professionals alike to skill up, build real AI solutions, and confidently step into tomorrow's tech roles.



Our Mission & Vision

Mission:

To empower individuals with real-world AI skills through practical learning, mentorship, and industry-grade projects that lead to fulfilling careers.

Vision:

To become a global hub for next-generation AI professionals who lead innovation across industries.

Our Teaching Philosophy

We believe AI can't be mastered through theory alone. That's why we design every course and project to simulate real-world problem-solving.

Our teaching principles:

- Learn by building real AI applications.
- Focus on end-to-end understanding not just model training.
- Emphasize collaboration, creativity, and critical thinking.
- Blend mentorship with self-paced learning flexibility.
- Always up-to-date with the latest in GenAl, LLMs, and deployment tools.



A passionate mix of:

- Al Engineers from top companies like Google, TCS, and Amazon
- Data Scientists & Researchers with hands-on ML/NLP/CV experience
- Industry Mentors who've led real-world AI projects
- Educators committed to helping you succeed

"We teach what we've built. We guide what we've learned. We support because we care."

Milestones & Impact

- Z0+ real-world AI projects launched
- \$\times\$ 6 specialized courses (Python, ML, NLP, CV, Big Data, Generative AI)
- **Y** Verified certifications with every course

🛾 📞 Contact Us – Aivaratechnology Pvt. Ltd.

• Have a question? Want to learn more about our AI courses or start your career journey with us?

We're here to help you every step of the way.

- Send Us a Message
- (Simple Contact Form)
- Name: [Vijay]

Email: [vijay.aivara1@gmail.com]

Message:

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- Our team typically responds within 24 hours.
- Phone & WhatsApp
- +91-8148391349
 - **WhatsApp**: Available 9AM 6PM IST
- Email Us
- Support@aivaratechnology.com

For course details, technical help, or business inquiries.

- ¶ Our Location
- Aivaratechnology Pvt. Ltd.

Tech Park Road, Bangalore, Karnataka, India

🎓 [Embed Google Map here]

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