zerocost Healthcare Pvt. Ltd.

MASTER THE TECHNOLOGIES DRIVING THE NEXT GENERATION OF INNOVATION

Transform your skills. Build the future with **AI**

Why Learn with Us?

Step into the world of cutting-edge technologies where innovation meets intelligence. Our expert-designed courses empower you to code smarter, think deeper, and create AI solutions that shape tomorrow

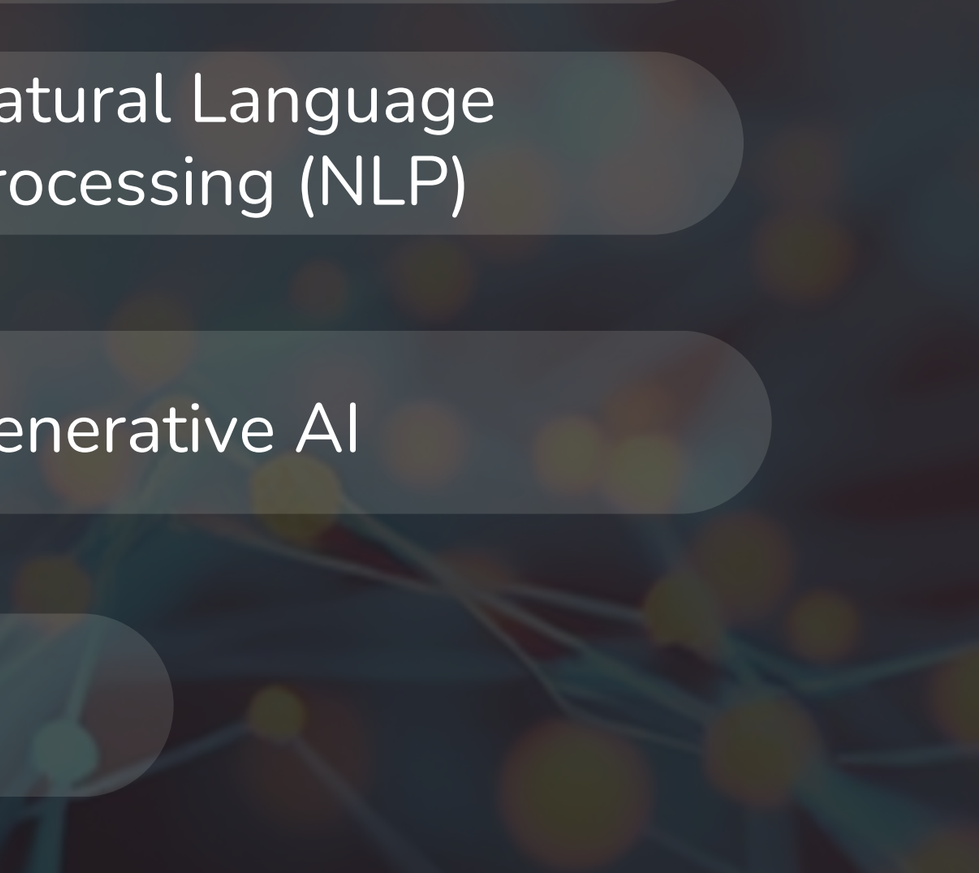
---

EXPLORE OUR FLAGSHIP PROGRAMS

- Python Programming
- Machine Learning
- Neural Networks & Deep Learning
- Natural Language Processing (NLP)
- Computer Vision
- Generative AI
- Agentic AI

WHAT MAKES US DIFFERENT

- Hands-on Learning
- AI-Powered Tools
- Real-World Projects
- Certification & Internship
- Expert Mentorship



7 *From Coding Beginner → AI Innovator*

01 PYTHON PROGRAMMING

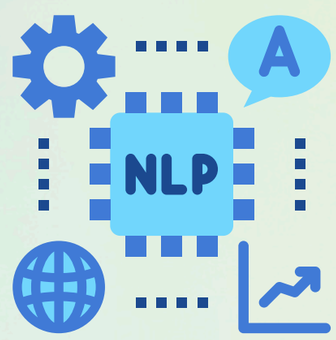
Learn the universal language of AI.
Master logic building, data structures, functions, and libraries like NumPy, Pandas, and Matplotlib.

02 MACHINE LEARNING

Understand how machines learn from data.
Explore supervised, unsupervised, and reinforcement learning models.

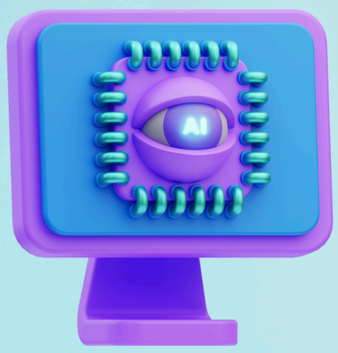
03 NEURAL NETWORKS & DEEP LEARNING

Dive deep into the architecture of the human brain.
Work with TensorFlow, Keras, and PyTorch to design neural networks.



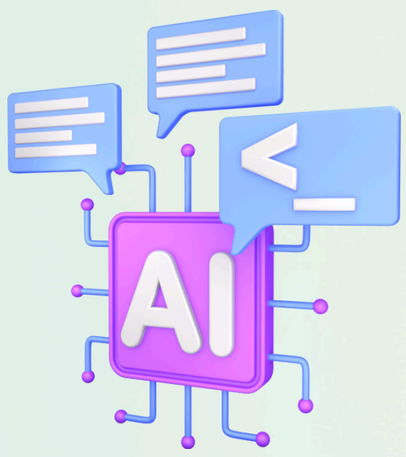
04 NATURAL LANGUAGE PROCESSING (NLP)

Teach machines to read, write, and talk like humans.
Learn text processing, sentiment analysis, and chatbots using transformers (BERT, GPT).



05 COMPUTER VISION

Enable computers to see and interpret the world.
Master image classification, object detection, and facial recognition.



06 GENERATIVE AI

Learn the art of AI creativity.
Create new images, text, and music using models like DALL·E, Stable Diffusion, and ChatGPT APIs.

07 AGENTIC AI

Build autonomous AI agents that can think, decide, and act.
Explore LangChain, AutoGPT, and multi-agent frameworks.

Contact US

zerokosthealthcare@gmail.com
zerokost.com
learn.zerokost.com
+91 7981643250

YOUR JOURNEY ROADMAP

MONTH 1

Python Programming for AI

- **Learn: Coding** logic, data handling, and automation with Python.
- **Do**: Hands-on practice with NumPy, Pandas & Matplotlib.
- **Build**: A live Data Dashboard project.

MONTH 2

Machine Learning

- **Learn:** Regression, classification, and predictive modeling.
- **Do:** Real-time ML training using Scikit-Learn.
- **Build:** A Predictive Analytics Dashboard.

MONTH 3

Neural Networks & Deep Learning

- **Learn:** ANN, CNN & RNN architectures using TensorFlow & Keras.
- **Do:** Image recognition and sequence modeling workshops.
- **Build:** Image Classifier project.

MONTH 4

NLP & Computer Vision

- **Learn:** How machines read, write, and see.
- **Do:** Work with Transformers (BERT, GPT) & OpenCV.
- **Build:** Smart Chatbot + Face Recognition System.

MONTH 5

NLP & Computer Vision

- **Learn:** How machines read, write, and see.
- **Do:** Work with Transformers (BERT, GPT) & OpenCV.
- **Build:** Smart Chatbot + Face Recognition System.

AI COURSE AND SALARY INSIGHTS

COURSE AND CORE BENEFITS	ROLES	SALARIES
Python Programming for AI Supports rapid prototyping, integrates well with other tools, and offers high-demand	**AI Developer, Data Analyst, Python Developer, Machine Learning Engineer**	**3.8-5 LPA***
Machine Learning Analyze data, make predictions, automate tasks, and open high-demand	**Machine Learning Engineer, Data Scientist, AI Specialist, Predictive Modeler**	**4.5-8.2 LPA***
Neural Networks and Deeplearning Process complex data, and make intelligent decisions in areas like vision, speech, and natural language.	**Deep Learning Engineer, Computer Vision Engineer, AI Researcher, NLP Engineer**	**5.0-9.0 LPA***
Natural language Processing (NLP) It understand interpret, and generate human language for tasks like chatbots, translation, and sentiment analysis.	**NLP Engineer, Chatbot Developer, Speech Recognition Engineer, Text Analytics Specialist**	**4.2-7.5 LPA***
Computer Vision It understand visual data like images and videos for tasks such as object detection, recognition, and tracking.	**Computer Vision Engineer, Image/Video Analytics Developer, AI Robotics Engineer**	**4.0-8.0 LPA***
Generative AI Creates new content—such as text, images, music, or code—by learning patterns from existing data.	**Autonomous AI Developer, Robotics AI Engineer, Decision Automation Specialist**	**5.0-10 LPA***
Agentic AI AI make decisions, take actions, and achieve goals proactively with minimal human intervention.	**AI Content Creator, Generative AI Developer, Creative AI Specialist, Prompt Engineer**	**6-12 LPA***

* Salary ranges are based on average industry data from Naukri, Glassdoor, and LinkedIn (2025). Actual compensation may vary with skills, role, and company.

ZKA-PYT-L1-2025 : PYTHON PROGRAMMING

Python is the foundation of Artificial Intelligence and Machine Learning. This course is designed to equip learners with strong Python programming skills tailored for AI applications. Starting from the basics—variables, loops, and data structures you'll progress to advanced concepts like data manipulation, object-oriented programming, and working with AI-focused libraries.

Why Learn Python for AI ?

- Easy-to-learn, versatile language widely used in AI research & industry.
- Strong ecosystem with libraries like NumPy, Pandas, and TensorFlow.
- Essential skill for Data Science, Machine Learning, and Deep Learning.

Who is this for?

Beginners and professionals who want to enter the world of AI development and strengthen their programming foundation.

Module 1:

Basics: Variables, Data Types, Conditionals, Loops

Module 2:

Data Structures: Lists, Dictionaries, Tuples, Sets

Module 3:

Functions and Modules

Module 4:

File I/O and Exception Handling

Module 5:

OOP (Object-Oriented Programming)

Module 6:

Libraries for AI: NumPy, Pandas, Matplotlib

Module 7:

Intro to Jupyter Notebooks and Google Colab

Outcomes:

- Master Python basics to advanced concepts..
- Build AI-ready coding skills..
- Work on real-world examples and mini-projects.

ZKA-ML-L2-2025 : MACHINE LEARNING

Machine Learning is the driving force behind today's smart technologies. This course is designed to give you a strong foundation in ML concepts, algorithms, and practical applications. You'll learn how machines can analyze data, identify patterns, and make predictions with high accuracy.

Why This Course is for You?

- **High Career Demand** – Companies worldwide are hiring ML engineers, data scientists, and AI specialists.
- **Practical Learning** – Real world projects like House Price Prediction and Fraud Detection prepare you for industry challenges.
- **Hands-on Tools** – Learn to work with Scikit-learn, XGBoost, and LightGBM, the same tools used by professionals

What You'll Gain:

- A strong foundation in ML algorithms & applications.
- The ability to design, train, and deploy ML models.
- Confidence to solve business problems using data-driven insights.

Module 1:

Supervised Learning: Regression, Classification

Module 2:

Unsupervised Learning: Clustering, Dimensionality Reduction

Module 3:

Ensemble Methods: Random Forests, Boosting

Module 4:

Model Evaluation: Accuracy, Precision, Recall, F1-Score

Module 5:

Cross-Validation and Hyperparameter Tuning

Module 6:

ML Libraries: Scikit-learn, XGBoost, LightGBM

Module 7:

Project: House Price Prediction / Fraud Detection

Outcomes:

- By the end of this course, you will be able to build, evaluate, and optimize Machine Learning models using real-world data and industry-standard tools, preparing you for careers in AI and Data Science.

ZKA-NNDL-L3-2025 :
NEURAL NETWORKS & DEEP LEARNING

After completing the Machine Learning Course, take your skills to the next level with Neural Networks & Deep Learning. This advanced module focuses on building intelligent systems that can learn complex patterns, process large datasets, and make accurate predictions using modern AI frameworks.

Why This Course is for You?

- **To master Neural Networks & Deep Learning concepts beyond traditional Machine Learning.**
- **To gain hands-on experience with PyTorch and TensorFlow through real-world projects.**
- **To prepare for career opportunities in AI, Deep Learning, and Data Science.**

What You'll Gain:

- Strong understanding of Neural Networks, optimization, and regularization techniques.
- Practical skills in building AI models using PyTorch and TensorFlow.
- A real-world project (Digit Recognition – MNIST) to showcase in your portfolio.

Module 1:

Perceptron and Activation Functions

Module 2:

Feedforward Neural Networks

Module 3:

Backpropagation and Gradient Descent

Module 4:

Optimizers: SGD, Adam, RMSProp

Module 5:

Regularization Techniques (Dropout, L2)

Module 6:

Introduction to PyTorch and TensorFlow

Module 7:

Project: Digit Recognition (MNIST)

Outcomes:

- Gain practical skills in Neural Networks & Deep Learning, master PyTorch and TensorFlow, and build a real-world project to showcase your expertise for careers in AI and Data Science.

ZKA-NLP-L4-2025 :
NATURAL LANGUAGE PROCESSING

Natural Language Processing (NLP) is a key field of Artificial Intelligence that enables machines to understand, interpret, and generate human language. From chatbots to voice assistants, search engines to translation systems — NLP powers many of today's most innovative technologies. This course takes you from the basics of text processing to advanced deep learning models that define the future of AI.

Why This Course is for You?

- **To understand how machines process and analyze text and speech data.**
- **To gain hands-on experience with industry-standard NLP tools and pretrained models.**
- **To prepare for careers in AI, Data Science, and Conversational AI.**

What You'll Gain:

- Strong understanding of text preprocessing, vectorization, and sequence models.
- Hands-on skills with spaCy, Hugging Face, and NLTK for real-world NLP applications.
- Practical experience in building and fine-tuning modern NLP models (BERT, GPT, T5).

Module 1:

Text Preprocessing: Tokenization, Lemmatization, Stopwords

Module 2:

Vectorization: Bag of Words, TF-IDF, Word Embeddings

Module 3:

Sequence Models: RNN, LSTM, GRU

Module 4:

Transformers and Attention Mechanism

Module 5:

Pretrained Models: BERT, GPT, T5

Module 6:

Tools: spaCy, Hugging Face Transformers, NLTK

Module 7:

Project: Chatbot / Text Summarizer

Outcomes:

- Gain practical skills in text processing and NLP models, work with tools like spaCy and Hugging Face, and build solutions using state-of-the-art models such as BERT and GPT.

ZKA-CV-L5-2025 : COMPUTER VISION

Computer Vision (CV) is one of the most exciting fields in Artificial Intelligence, enabling machines to interpret and understand the visual world. From facial recognition and autonomous vehicles to medical image analysis, CV powers many of today's cutting-edge innovations. This course will equip you with the knowledge and practical skills to design, train, and deploy vision-based AI models.

Why This Course is for You?

- **To master the fundamentals and cutting-edge techniques in Computer Vision.**
- **To gain hands-on experience with OpenCV, CNNs, and modern detection/segmentation models.**
- **To build a real-world project portfolio in vision-based AI applications.**

What You'll Gain:

- Strong understanding of image processing, CNNs, and modern vision architectures.
- Hands-on experience with OpenCV, object detection, and image segmentation models.
- A real-world project (Face Detection or Medical Image Analysis) to showcase your expertise.

Module 1:

Image Basics: Pixels, Color Models, Filters

Module 2:

Image Processing with OpenCV

Module 3:

CNN Architectures: LeNet, VGG, ResNet, EfficientNet

Module 4:

Object Detection: YOLO, SSD

Module 5:

Image Segmentation: U-Net, Mask R-CNN

Module 6:

Transfer Learning for Vision

Module 7:

Project: Face Detection / Medical Image Analysis

Outcomes:

By completing this course, you'll gain expertise in image processing and deep learning for vision, work with powerful architectures like ResNet, YOLO, and Mask R-CNN, and complete a practical project such as face detection or medical image analysis. These skills will prepare you for AI, Computer Vision, and Data Science roles in industries ranging from healthcare to autonomous systems.

ZKA-GAI-L6-2025 : GENERATIVE AI

Generative AI is transforming the way we create content, from text and images to music and code. By learning how machines can generate new data that resembles human creativity, you'll gain the skills to work with some of the most advanced and in-demand technologies of today. This course blends theory, practical tools, and real-world applications to prepare you for the next wave of AI innovation.

Why This Course is for You?

- **To understand how machines create text, images, and media from data.**
- **To gain hands-on experience with cutting-edge tools like GPT, DALL·E, and Stable Diffusion.**
- **To prepare for careers in AI development, content automation, and creative AI solutions.**

What You'll Gain:

- Deep knowledge of Generative Models and Large Language Models.
- Practical experience building applications with LLMs and diffusion models.
- A portfolio project showcasing your ability to create with Generative AI.

Module 1:

Introduction to LLMs: GPT, Claude, Gemini

Module 2:

Prompt Engineering: Zero-shot, Few-shot, Chain of Thought

Module 3:

RAG Systems: LangChain, LlamaIndex, Vector Stores

Module 4:

Content Generation: Text, Image (DALL·E), Audio (TTS)

Module 5:

Fine-tuning LLMs with LoRA, PEFT

Module 6:

GenAI APIs: OpenAI, HuggingFace Hub, Gemini Studio

Module 7:

Project: Generative Resume Builder / Legal Document Summarizer

Outcomes:

- By the end of this course, you'll be able to design and deploy generative AI systems, work with state-of-the-art LLMs and diffusion models, and create real-world applications such as AI-powered chatbots, content generators, and image synthesis tools. These skills will position you for high-demand roles in AI, innovation, and product development.

ZKA-AAI-L7-2025 : AGENTIC AI

Agentic AI is the next evolution of artificial intelligence, where systems go beyond responding to inputs and instead act autonomously to achieve goals. These intelligent agents can plan, reason, and interact with environments or APIs to perform complex tasks — from automating workflows to powering next-gen virtual assistants. This course equips you with the foundations, tools, and practical skills to build and deploy AI agents for real-world applications.

Why This Course is for You?

- **To understand how AI agents work beyond simple chatbots, acting with autonomy and reasoning.**
- **To gain hands-on experience with the latest agentic AI frameworks and LLM integration.**
- **To prepare for future-ready roles in AI automation, enterprise solutions, and intelligent systems.**

What You'll Gain:

- The ability to design and deploy autonomous AI agents.
- Skills to integrate agents with APIs, tools, and multi-agent systems.
- A real-world agentic AI project for your professional portfolio..

Module 1:

What are Agents? Agent vs LLM

Module 2:

Tool Use and Memory in Agents

Module 3:

Frameworks: AutoGen, CrewAI, LangGraph

Module 4:

Multi-agent Coordination and Role-based Planning

Module 5:

Integration with APIs, RAG, Actions

Module 6:

Building AI workflows with planning + tool use

Module 7:

Project: AI Task Assistant / Multi-Agent Workflow Coordinator

Outcomes:

- By the end of this course, you will be able to build AI agents that can plan, reason, and act autonomously, integrate them with external tools, and apply them in real-world domains such as business automation, research assistance, and digital transformation. This knowledge will set you apart in the rapidly growing field of Agentic AI and enterprise AI solutions.

Let’s Build Your AI Future

Have questions about our courses, certifications, or career guidance?

Our team is here to help you choose the right learning path and get started on your AI journey.

Our Phone: +91 7981643250

Our Website: www.learn.zerokost.com

Our Email: Zerokosthealthcare@gmail.com