



Transforming Aspirations into Achievement

ARTIFICIAL INTELLIGENCE

Master Artificial intelligence with Expert Guidance!

SELF-PACED | MENTOR LED | PROFESSIONAL





A Brief Story About The Company



ABOUT US

Our team is dedicated to empowering students with the skills needed to thrive in today's ever-evolving job market. We believe that staying ahead requires continuous skill development to meet industry demands.

At innoKNOWVEX, we bridge the gap between current capabilities and the expertise sought by leading organizations. Our platform offers industry-specific training in a professional setting, equipping students with the knowledge and practical skills essential for securing employment in their chosen fields.



About the Program

InnoKnowvex Edu Tech's 3-month program includes two months of industrial training with experts through live sessions & recorded materials.

The final month involves an individual project and a major project with affiliated companies, offering industry exposure and MNC work experience. This program prepares interns for successful careers in the field.

Modes of Training

★ SELF PACED

- Recorded Sessions with doubt-clearing opportunities
- Lifetime access to study material
- Training Certification+Internship Opportunity

★ MENTOR LED

- Live interactive sessions with doubt clearing
- Lifetime access to recordings
- Training Certification+Internship Opportunity

★ PROFESSIONAL

- Live interactive sessions with doubt clearing
- Lifetime access to recordings
- Training Certification+Internship Opportunity+placement assistance



FIRST TWO MONTHS

- Comprehensive industrial training from experts
- Live interactive sessions
- Lifetime access to session recordings
- Hands-on practice
- Mini-projects and exercises
- Real time engagement
- Immediate feedback
- Supportive learning environment
- Mentorship and peer collaboration
- Solid foundation
- Real-world projects in the internship phase

THIRD MONTH

Two key projects:-

1. Minor project focused on implementing and evaluating their skills independently.
2. Major collaborative project, providing industry exposure and experience in a multinational corporation environment.

***Interns work on real-world challenges under the guidance of experienced professionals, gaining valuable insights into industry practices while refining their technical skills. This hands-on experience prepares them for successful careers, giving them a competitive edge in the job market.**



Explore the **CAREER PATHS**

Machine Learning
(ML) Engineer

Data
Scientist

Robotics
Engineer

AI Product
Manager

AI
Consultant

NLP
Engineer

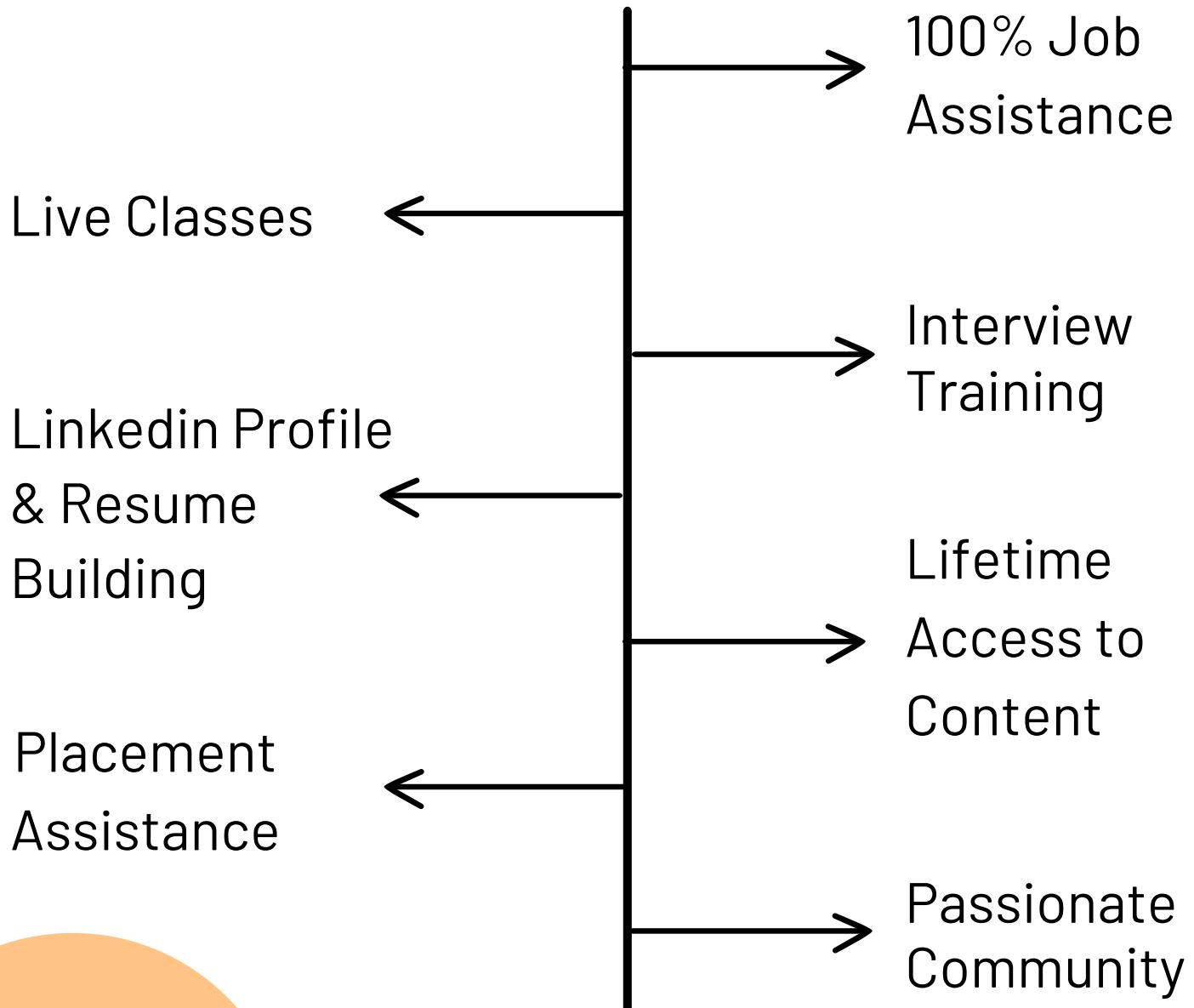
AI Research
Scientist

AI Game
Developer

AI Cloud
Engineer

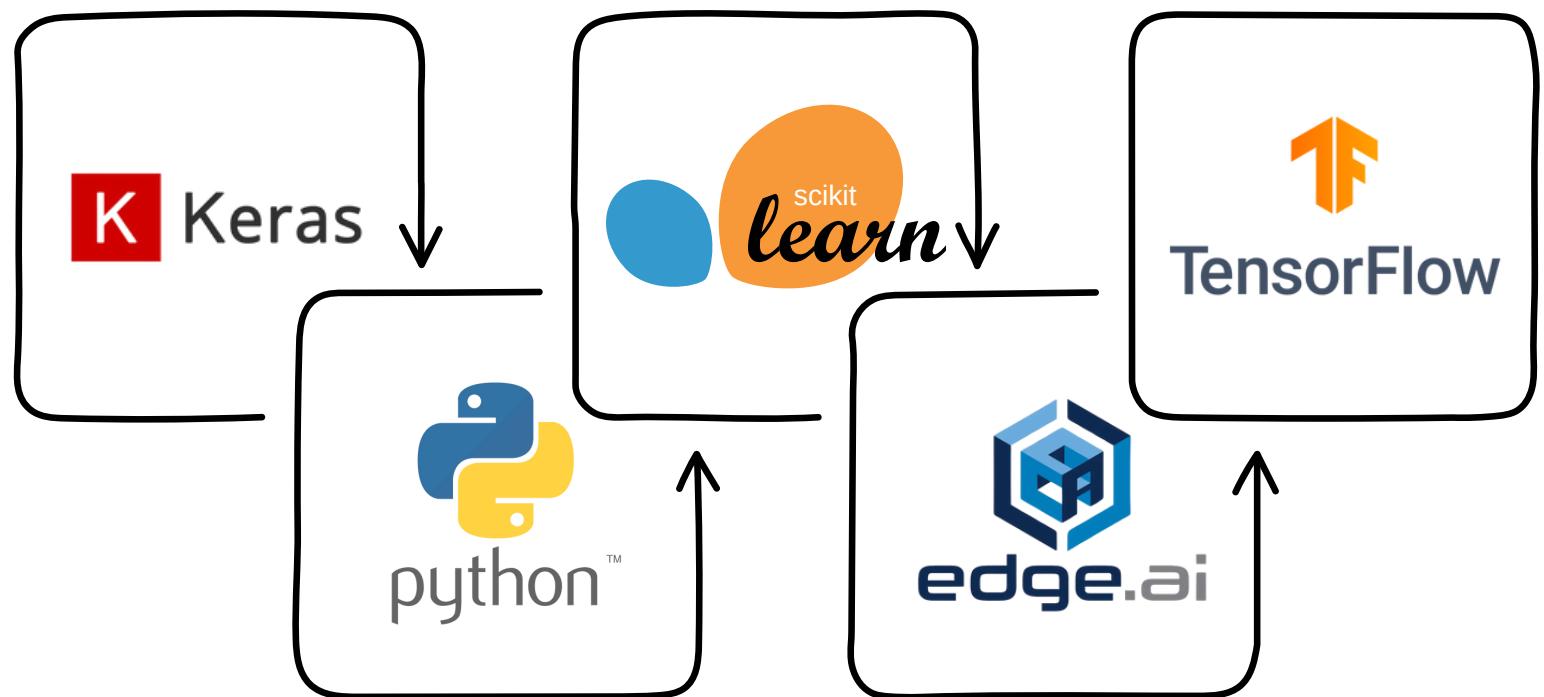


WHY US?



TOOLS

You will learn





KEY HIGHLIGHTS OF PROGRAM

Definition and
Types

Ethics
Researcher

Natural Language
Processing

Computer
Vision

Knowledge
Representation

Reinforcement
Learning

Cognitive
Computing

AI for Robotics

AI in
Healthcare

AI
Tools

Frameworks

Deep
Learning

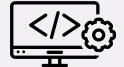
Course Curriculum



Week 1- Introduction

01

- What Is Machine Learning & AI ?**
- Difference Between ML and AI**
- What Is Python? and What Is R?**
- Why Python?**
- Python Installation & IDE Selection**



Week 2- Tools and Version Control

02

- Why VS Code?**
- Jupyter Notebook Overview**
- What Is a Virtual Environment & Setup**
- Introduction To Google Colab**
- Git Basics**
- GitHub Usage**





Week 3 - Intermediate Python and Mathematics Basics

03

- Version Control With Git
- Command Line Basics
- How To Read An AI Research Paper
- Python Basics
- Intermediate Topics(Select Three)
- Python Intermediate Topics Study



Week 4 - Python Libraries for Machine Learning

04

- Numpy and Pandas
- Scikit-Learn and Data Visualization
- PyTorch
- TensorFlow
- PyTorch vs. TensorFlow



★ RESUME BUILDING WORKSHOP



Week 5 - Mathematics for AI : Linear Algebra AND Calculus

05

- Linear Algebra : Vector Operations, Matrix Operations**
- Linear Algebra : Linear Equations, Principal Component Analysis(PCA)**
- Calculus : Limits, Continuity, Derivatives**
- Calculus : Optimization methods, Integrals**
- Calculus : Optimization methods, Integrals**



Week 6- Advanced Topics and Final Projects

06

- Advanced Python Libraries For Artificial Intelligence**
- Python Advanced Topics**
- Final Project Work, Presentation And Assessment**
- Course Conclusion, Recap, And Certificates**





Week 7 - Machine Learning And Fundamentals

07

- Types Of Machine Learning: Supervised, Unsupervised, Reinforcement
- Data Preprocessing: Cleaning, Scaling, Handling Missing Values
- Feature Engineering Techniques
- Handling Imbalanced & Categorical Data



Week 8 - Advanced Machine Learning Concepts

08

- Model Complexity: Overfitting, Underfitting
- Performance Metrics
- HyperParameter Tuning: Grid Search, Random Search
- Cross-Validation
- Gradient Descent
- Model Evaluation: Learning Curves
- Bias-Variance Trade-off
- Dimensionality Reduction
- Regularization
- Ensemble Methods: Bagging, Boosting





★ SOFT SKILL DEVELOPMENT WORKSHOP



Week 9 - Introduction to Deep Learning

09

- Introduction To Deep Learning**
- Biological Neuron vs. Artificial Neuron**
- Activation Functions And Loss Functions**
- Layers In Neural Networks**
- Multilayered Perceptron(MLP), Backpropagation**
- Convolutional Deep Learning**
- Pooling And Subsampling in CNNs**
- Convolutional Neural Networks(CNNs)**



Week 10 - Computer Vision

10

- Computer Vision Applications**
- OpenCV Basics**
- Basics Of Image Processing**
- Image Filtering And Enhancement**
- Image Classification**
- Transfer Learning In Computer Vision**
- Feature Detection And Matching**
- Object Detection, Localization**
- Image Segmentation**
- Object Tracking**





Week 11 - Introduction to Natural Language Processing (NLP)

11

- NLP Overview & Foundations
- Challenges In NLP
- NLP Applications
- Text Preprocessing And Tokenization
- Text Representation & Classification
- NLP For Information Extraction
- Language Models And Transformers



HOW TO CRACK TECH INTERVIEWS



Week 12 - Advanced Computer Vision & NLP

12

- Advanced Computer Vision
- Advanced Natural Language Processing





CERTIFICATIONS





Pricing

PLAN

Live Sessions>

Get real-time Assistance

₹2,500

Self Paced>

Learn at your own pace

₹2,500



OUR COLLABORATIONS

Capgemini

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Razorpay

PhonePe

boAt



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