LEARN FLU
igniting the path to your success

Empower Excel Elevate

10 Weeks Program in
ARTIFICIAL INTELLIGENCE
Integrated with Top experts from MNCs

ABOUT COMPANY

An idea of learning and upskilling every single day for the hope of a better tomorrow.

LearnFlu is nothing but an Idea.An Idea of learning and upskilling every single day for the hope of a better tomorrow. LearnFlu is also a disease, which every being alive wishes to have. A disease of learning something new and interesting for the growth they desire

SUCCESS

- 08 PLACEMENT ASSISTANCE
- 07 CARRIER GUIDENESS PROGRAM
- 06 RESUME BUILDING
- 05 2 WEEKS PROJECTS
- 04 8 WEEKS TRAINING
- 03 LMS ACCOUNT ACTIVATION
- 02 REGISTRATION
- 01

WE OFFER

PROGRAM STRUCTURE

- **ELIGIBILITY** – BE COMPLETE GRADUATE OR PURSUING STEAM DEGREE PROGRAM
- **TRAINING** – 8 WEEKS TRAINING WITH 2 WEEKS PROJECTS
- **PROJECTS** – 2 WEEKS PROJECTS
- **POST TRAINING** – PLACEMENT ASSISTANCE, RESUME BUILDING, CARRIER GUIDENESS PROGRAM
- **ADD-ONS** – PLATINUM MEMBERSHIP, POLL IN PROMO, INTERNSHIPS, SUPPORT 24*7, LIFETIME ACCESS, PROMOTION BONUS

PROGRAM HIGHLIGHTS

WHY THIS PROGRAM IS YOUR BEST CHOICE

- 100% INTERACTIVE SESSIONS WITH EXPERTS SCENARIOS
- MENTOR GIVEN EXPERT BASED REAL WORLD PLAN PROJECTS
- LIVE MENTORSHIP
- PERSONALIZED MENTORSHIP AND CAREER GUIDANCE
- CAREER ASSISTANCE
- DOUBLE CERTIFICATION & EXPERT REPORT
- PLACEMENT ASSISTANCE

COURSE CURRICULUM

BASIC → INTERMEDIATE → ADVANCE → PROJECTS

Curriculum Summary > Total Modules: 8 > Total Chapters: 24 > Total Hours: 36 hours

This curriculum provides a comprehensive overview of artificial intelligence, integrating foundational knowledge with practical applications, ensuring students are well-prepared for careers in AI and machine learning.

Module 1: Introduction to Python for AI

Chapter 1: Python Basics for AI
- Overview of Python and its importance in AI
- Installing Python and setting up environments
- Core syntax, data types and indentation

Chapter 2: Libraries for AI
- Introduction to NumPy and Pandas for data manipulation
- Matplotlib and Seaborn for data visualization
- Scikit-learn for ML algorithms implementation

Chapter 3: Python Functions and OOP
- Writing functions and using classes
- Object-Oriented Programming (OOP) in Python
- Practical exercises with OOP concepts relevant to AI

Module 2: Generative AI

Chapter 1: Introduction to Generative AI
- Introduction to generative models
- Overview of generative models: GANs, VAEs, etc.
- Use cases in text, image, and audio generation

Chapter 2: Generative Adversarial Networks (GANs)
- Understanding the architecture of GANs: generator, discriminator
- Training GANs, challenges and techniques
- Practical implementation of GANs

Chapter 3: Variational Autoencoders (VAEs)
- Introduction to VAEs and their architecture
- Differences between GANs and VAEs
- Applications of VAEs in image generation and anomaly detection

Module 3: ANN & CNN

Chapter 1: Introduction to Neural Networks
- Basic concepts of artificial neural networks
- Activation functions, loss functions, optimization functions
- Backpropagation and gradient descent

Chapter 2: Deep Learning with CNNs
- Overview of Convolutional Neural Networks
- Understanding convolutional layers, pooling layers, and fully connected layers
- Implementing CNNs for image classification using TensorFlow

Chapter 3: Implementing ANNs and CNNs
- Building ANNs and CNNs using TensorFlow/Keras
- Training models, tuning hyperparameters, and evaluating performance
- Practical exercises and hands-on coding

Module 4: Supervised & Unsupervised Learning

Chapter 1: Supervised Learning Basics
- Introduction to supervised learning
- Key algorithms: linear regression, decision trees, support vector machines
- Evaluation metrics: accuracy, precision, recall, F1 score

Chapter 2: Unsupervised Learning Fundamentals
- Overview of unsupervised learning and its applications
- Clustering algorithms: K-means, hierarchical clustering, PCA
- Evaluating clustering results and understanding use cases

Chapter 3: Comparing Supervised and Unsupervised Learning
- Trade-offs between supervised and unsupervised learning
- Hybrid approaches and semi-supervised learning
- Practical exercises with both types of learning

Module 5: Natural Language Processing (NLP)

Chapter 1: Introduction to NLP
- Overview of natural language processing and its importance
- Text data preprocessing: tokenization, stemming, lemmatization
- Introduction to word representation techniques: Bag of Words, TF-IDF

Chapter 2: Advanced NLP Techniques
- Understanding word embeddings (Word2Vec, GloVe)
- Introduction to RNNs and LSTMs for sequence data
- Applications of NLP in sentiment analysis, chatbots, text summarization

Chapter 3: Implementing NLP Solutions
- Building an NLP application using Python and libraries like NLTK or spaCy
- Hands-on project: Sentiment analysis on social media data
- Evaluating and improving NLP models

Module 6: Deep Learning Techniques

Chapter 1: Advanced Neural Network Architectures
- Overview of recurrent neural networks (RNNs)
- Long Short-Term Memory (LSTM) and Gated Recurrent Units (GRU) networks
- Applications of RNNs in time series and sequential data

Chapter 2: Transfer Learning
- Understanding the concept of transfer learning
- Pre-trained models and fine-tuning strategies
- Case studies: transfer learning in image and text applications

Chapter 3: Building Deep Learning Models
- Hands-on with TensorFlow and Keras
- Building, training, and fine-tuning deep learning models
- Practical project: Building a deep learning model for a real-world problem

Module 7: Machine Learning Basics

Chapter 1: Introduction to Machine Learning
- Definition and significance of machine learning
- Overview of machine learning algorithms, processing, and modelling
- Overview of types of machine learning (supervised, unsupervised, reinforcement)

Chapter 2: Common Machine Learning Algorithms
- In-depth look at popular algorithms: decision trees, random forests, KNN
- Understanding their mechanisms and applications
- Practical examples and exercises for each algorithm

Chapter 3: Model Evaluation and Deployment
- Techniques for evaluating machine learning models
- Understanding metrics: accuracy, precision, recall, F1 score
- Introduction to deploying machine learning models in production

Module 8: AI in Computer Vision

Chapter 1: Introduction to Computer Vision
- Overview of AI applications in computer vision
- Key tasks: classification, object detection, image segmentation
- Challenges in computer vision

Chapter 2: Image Processing Techniques
- Basics of image processing
- Techniques: filtering, edge detection, image transformations
- Using OpenCV for image processing

Chapter 3: Deep Learning for Computer Vision
- Convolutional Neural Networks (CNNs) in detail
- Transfer learning and pre-trained models
- Real-world applications and case studies

Jobs You Can Apply

- Machine Learning Engineer, ₹8–30 LPA
- Data Scientist ,₹7–25 LPA
- AI Research Scientist , ₹15–50 LPA
- Deep Learning Engineer , ₹12–35 LPA
- Computer Vision Engineer ,₹10–30 LPA
- AI/ML Product Manager , ₹20–40 LPA.

Projects

- AI Chatbot (Conversational Agent)
- AI Resume Screener
- Image Captioning App

TOOL BOX

ANACONDA
Keras
TensorFlow
python

MEET YOUR MENTOR

NIKHIL
Company : MNCs
Experience : 5+ years

Meet Nikhil, a seasoned mentor with over 5 years of expertise in his industry. With a proven track record, he has successfully developed a team of 4 professionals, steering them towards excellence. Nikhil leadership has been instrumental in completing over 100 projects, showcasing his proficiency in strategic planning and execution. His wealth of expertise, combined with a passion for mentoring, makes Nikhil a valuable guide for those looking to navigate and excel in their respective fields. With a commitment to knowledge-sharing and professional growth, Nikhil is dedicated to fostering success in his mentees

PLACEMENT SERVICES

REACH YOUR DREAM JOB :

AT LEARNFLU, WE ARE DEEPLY COMMITTED TO YOUR LEARNING JOURNEY AND ENSURING YOU ACHIEVE YOUR CAREER GOALS. OUR COMPREHENSIVE PLACEMENT SERVICES ARE TAILORED TO PAIR YOU WITH TOP SKILLS, EXPERIENCE, AND CONNECTIONS NECESSARY TO SECURE YOUR DREAM TECH JOB.

RESUME PREPARATION :

CREATE A STRIKING RESUME WITH EXPERT GUIDANCE TO EFFECTIVELY HIGHLIGHT YOUR SKILLS AND EXPERIENCE, ENSURING YOU STAND OUT TO RECRUITERS.

SOFT SKILL PREPARATION :

ELEVATE YOUR COMMUNICATION, TEAMWORK, AND LEADERSHIP ABILITIES WITH PERSONALIZED COACHING. GAIN CONFIDENCE THROUGH REFINED TECHNIQUES TO WEAR YOUR SKILLS AND PROFESSIONALISM.

HIRING PARTNERS & CAREER PORTAL :

GAIN ACCESS TO EXCLUSIVE JOB OPPORTUNITIES THROUGH OUR EXTENSIVE NETWORK OF HIRING PARTNERS AND OUR EXCLUSIVE CAREER PORTAL, DESIGNED TO CONNECT YOU WITH YOUR IDEAL JOB OPPORTUNITIES.

MENTORSHIP

GAIN INSIGHTS, AN EXPERIENCE THROUGH INTERNSHIPS AND REPUTATED PROJECTS, ALIGNING WITH INDUSTRY CERTIFICATES.

ADDITIONAL SERVICES

Linkedin optimization

Optimizing your LinkedIn profile to showcase your professional skills and achievements effectively.

Career Guidance

Career guidance plays a vital role in helping individuals navigate the vast landscape of career challenges and opportunities.

Career Opportunities

Career opportunities encompass the diverse array of roles and positions available in various industries and fields, and the fulfillment of individual potential and aspirations.

Hands-on experience

Hands-on experience in AI refers to the application of theoretical knowledge and skills in AI projects, allowing individuals to learn and refine their

Personality Development

Personality development is crucial in AI enhances overall personal growth, fostering traits like adaptability, continuous learning, and ethical decision-making, ensuring a well-rounded and professional life.

CREDIT VALIDATION REPORT

CERTIFICATE OF APPRECIATION

PROUDLY PRESENTED TO

Name Surname

This is to certify that Student/Name has successfully completed Program/Course from this date to 00 (Hours) to 00 (Hours) i.e. having course of total of 00 credits.

THEORY / SESSION	: XX / 60
TUTORIALS	: XX / 30
LABORATORY / PRACTICAL	: XX / 60
TOTAL CREDITS	: XX / 60

Total Credits Obtained : 140
Grades Obtained : A

SIGNATURE

COURSE COMPLETION CERTIFICATE

CERTIFICATE OF APPRECIATION

PROUDLY PRESENTED TO

Name Surname

This is to certify that Student/Name has successfully completed Program/Course.

Having this course, the student has learned the knowledge & skills to enhance Confidence

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Issued on: 00/00/0000

INTERNSHIP COMPLETION CERTIFICATE

CERTIFICATE OF APPRECIATION

PROUDLY PRESENTED TO

Name Surname

This is to certify that Student/Name has successfully completed Program/Course.

Having this course, the student has learned the knowledge & skills to enhance Confidence

LearnFlu
www.learnflu.com
office code: sample/learn flu/ 0001
Issued on: 00/00/0000

STUDENTS REVIEWS

Sravan ★★★★★
very good training session, the mentors are teaching me more technical stuff. I will recommend my friends to do this internship.

Vasavi ★★★★★
This is the best Internship provider with major projects with best experienced mentors.

Sarvani ★★★★★
This is the best training provider company with 100% job assistance

Raghu Roy ★★★★★
This is the best Internship provider with major projects with best experienced mentors.

Aradhana ★★★★★
LearnFlu specializes in large calculation and technology, offering a dynamic platform for innovative learning experiences. With innovative tools and engaging courses,LearnFlu elevates the educational landscape.

Kashish Yadav ★★★★★
Very good internship company. My experience with this company was very good. I also recommend my friends to do this internship.

Dinakaran ★★★★★
Thank you so much learnflu for giving this wonderful opportunity and developed by knowledge.

Aju Koshan ★★★★★
I enrolled for Data Analyst Program for Aspirant Learn and Development Company. The course was very informative and the mentor Syed Aslam Nizar gave very insightful information about this Internship and Training.Stay online and I am very much excited regarding the program

Priya ★★★★★
This is a very good internship product with major students training and internship program

OUR ALUMNI WORKS AT

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