

# Artificial Intelligence



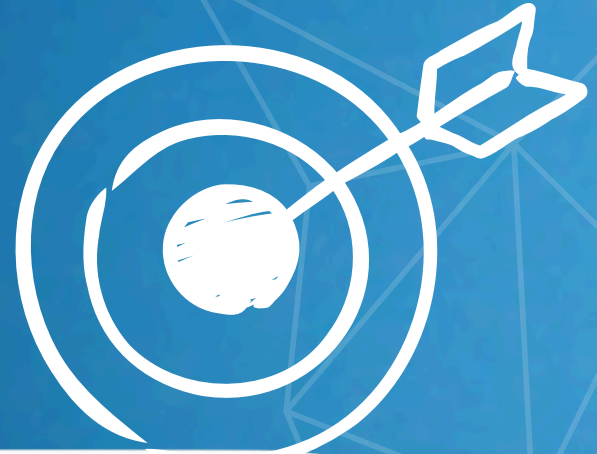
# About Us

Learnify is the MSME and Startup India verified destination for professionals in product, growth, design, management, business, tech, and data. It provides curated, hands-on learning from industry experts to instantly enhance skills, foster innovation, and empower you within a global community.



# Our Vision & Mission

Learnify, MSME and Startup India verified, teaches millions technical skills with expert-led, hands-on courses for career growth.



## VISION



The vision of Learnify is to revolutionize education through the seamless integration of technology, creating a direct path from skill acquisition to job readiness.



Our mission is to provide personalized and engaging learning experiences for students of all ages by leveraging digital tools, virtual platforms, and data-driven insights to ensure effective skill mastery and career readiness.



## MISSION

# Artificial Intelligence



## COURSE CURRICULUM

### 1. INTRODUCTION TO ARTIFICIAL INTELLIGENCE

- What is AI? Types and Applications
- The Future of AI and Career Scope
- Industry Use Cases (EdTech, Healthcare, Finance, etc.)



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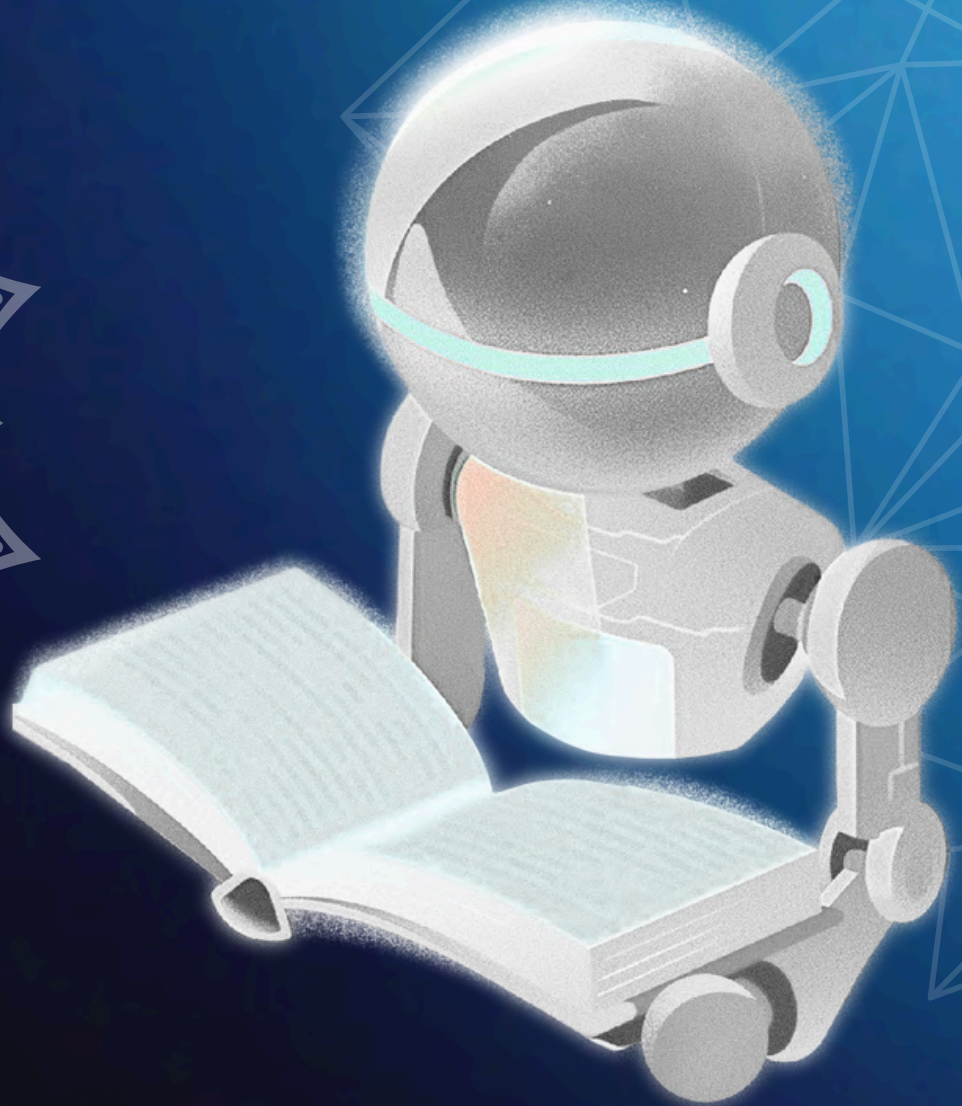
## PYTHON FOR AI

- **Python Basics: Variables, Data Types, Loops, Functions**
- **Libraries Overview: NumPy, Pandas, Matplotlib**
- **Hands-on: Simple AI Logic Programs**

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## 3. MATHEMATICS & STATISTICS FOR AI

- **Linear Algebra: Vectors, Matrices**
- **Probability & Statistics Essentials**
- **Gradient Concept and Derivatives in ML**
- **Hands-on: Data Visualization and Analysis**



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**4.**

## **DATA PREPROCESSING & FEATURE ENGINEERING**

- **Data Cleaning, Encoding, Scaling**
- **Handling Missing Data Feature**
- **Selection Techniques**

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## 5. SUPERVISED MACHINE LEARNING

- Regression (Linear, Logistic)
- Decision Trees, Random Forests, SVM
- Model Evaluation: Accuracy, Precision, Recall, F1 Score



## 6.

## UNSUPERVISED MACHINE LEARNING

- Clustering (K-Means, Hierarchical)
- Dimensionality Reduction (PCA)
- Project: Customer Segmentation

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7.

## APPLIED PROJECTS IN ML

- Predicting House Prices
- Spam Email Detection
- Movie Recommendation System



## 8.

## DEEP LEARNING FUNDAMENTALS

- **Neural Networks & Perceptron**
- **Backpropagation & Activation Functions**
- **TensorFlow & Keras Basics**



## 9.

## COMPUTER VISION (CV)

- **CNNs: Convolution Layers, Pooling Image**
- **Classification Project (MNIST / CIFAR-10)**
- **Transfer Learning with Pretrained Models**

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10.

## NATURAL LANGUAGE PROCESSING (NLP)

- Text Preprocessing: Tokenization, Lemmatization
- Sentiment Analysis, Text Classification
- Chatbot Development Basics



AI

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11.

## GENERATIVE AI & LLMS

- Understanding GPT, BERT & Transformers
- Prompt Engineering
- Hands-on: Text Generation, Image Generation with AI



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12.

## CAPSTONE PROJECT

- **AI-Powered Career Counsellor (EdTech Focused)**
- **Fake News Detection using NLP**
- **Medical Image Diagnosis System**
- **AI Resume Screening & Ranking System**
- **Voice Assistant using Speech Recognition & NLP  
( Reasearch paper)**



## 13. APTITUDE & LOGICAL REASONING

- Quantitative Aptitude: Speed, Accuracy & Problem Solving
- Logical Reasoning: Puzzles, Patterns & Data Interpretation
- Mock Tests and Time Management Strategies



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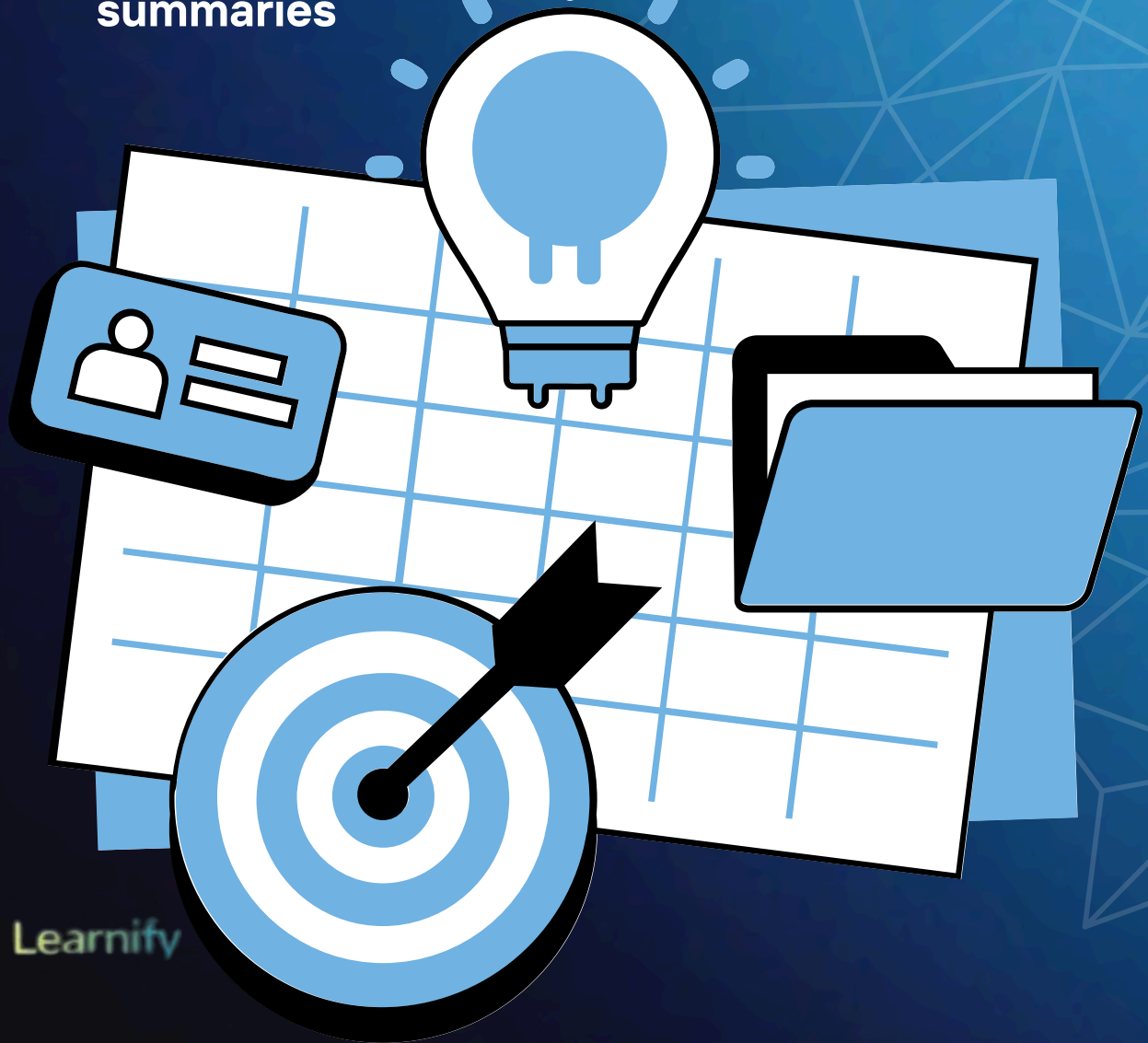
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14.

## RESUME BUILDING & PROFILE OPTIMIZATION

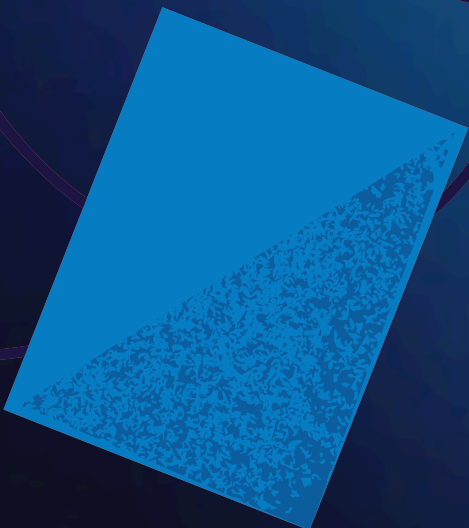
- Crafting an ATS-friendly resume tailored to tech roles
- Optimizing LinkedIn & GitHub profiles
- Writing impactful career objectives and summaries



15.

## COMMUNICATION & SOFT SKILLS

- Verbal Communication: Public Speaking & Presentation Skills
- Email Etiquette and Business Communication
- Teamwork, Leadership, and Professional Behavior



16.

## TECHNICAL INTERVIEW TRAINING

- Core DS Interview Concepts & Q&A Practice
- Hands-on Coding Interview Sessions (Python & Data Structures)
- Whiteboard Problem Solving & Project Discussion Tips

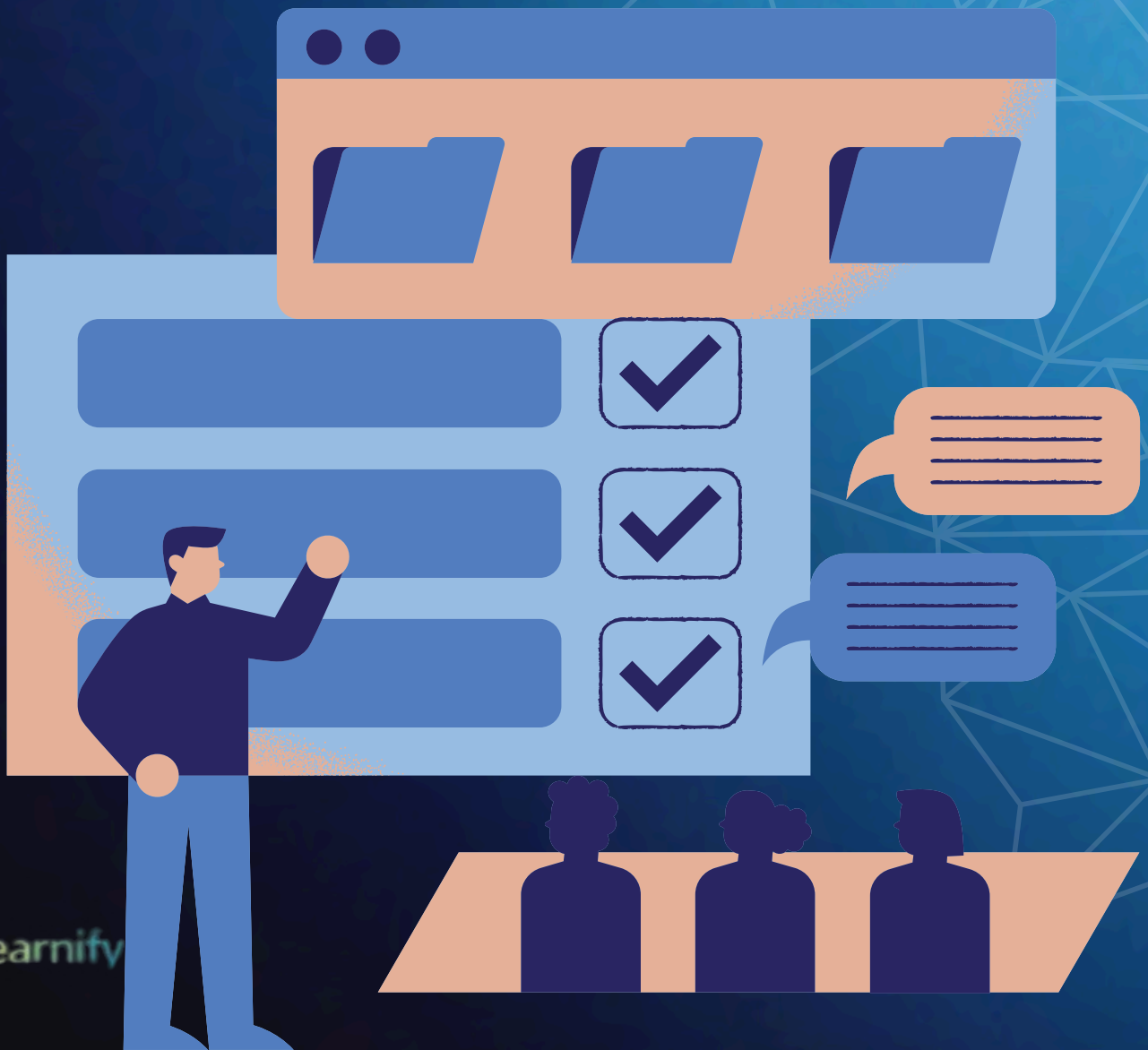


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17.

## HR & BEHAVIORAL INTERVIEW PREPARATION

- Understanding HR Questions & Framing STAR-Method Answers
- Mock HR Interviews with Personalized Feedback
- Building Confidence and Positive Body Language



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18.

## INTERNSHIP & JOB ASSISTANCE

- Access to Learnify's Hiring Partner Network
- Internship Opportunities with EdTech & AI Startups
- Job Alerts, Career Counseling & Placement Support



19.

## CERTIFICATION & CAREER SUPPORT

- Learnify Certificate of Completion
- MSME & Startup India Certification
- Resume Building & LinkedIn Optimization



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# Our Alumni Work At



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# Contact Us



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