

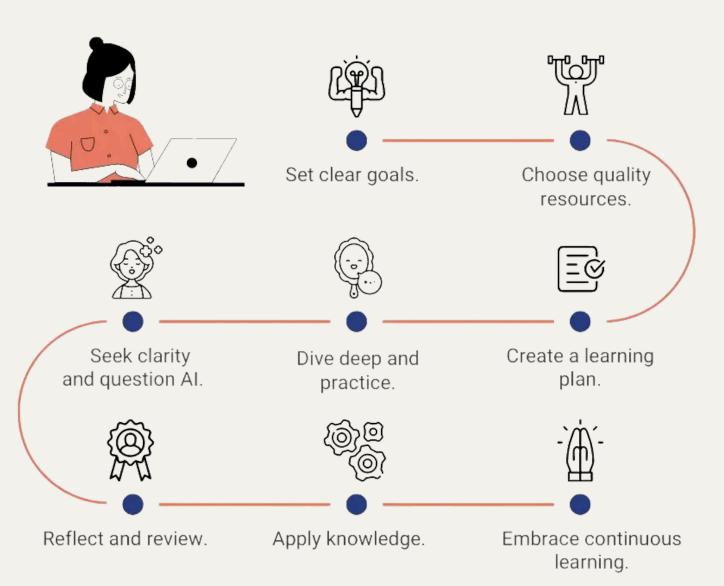








ROADMAP







SYLLABUS

Introduction to AI and Agents

1

- 1. Definition and History of AI
- 2. AI Applications
- 3. The Turing Test
- 4. AI Research Milestones
- 5. Types of Agents
- 6. Agent Environments
- 7. Concept of Rationality
- 8. Structure of Intelligent Agents

Problem Solving and Search

2

- 1. Problem-Solving as Search
- 2. Uninformed Search Strategies
- 3. Informed Search Strategies
- 4. Heuristics
- 5. Games and Optimal Decisions
- 6. Minimax Algorithm
- 7. Alpha-Beta Pruning
- 8. Evaluation Functions

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Constraint Satisfaction Problems (CSPs)

3

- 1. Definition of CSPs
- 2. Examples of CSPs
- 3. Backtracking Search
- 4. Local Search Techniques
- 5. Constraint Propagation
- 6. Heuristics for CSPs

Planning and learning examples

- 1. Planning Problems and Solutions
- 2. Classical Planning Approaches
- 3. Planning Algorithms
- 4. Forms of Learning
- 5. Supervised Learning: Concepts and Examples
- 6. Decision Trees
- 7. Evaluation and Validation Techniques

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Natural Language Progcessing

- 1. Language Models
- 2. Syntax and Parsing
- 3. Semantic Analysis
- 4. Applications in Speech Recognition and Machine Translation

Computer Vision and Al Future

- 1. Basics of Image Processing
- 2. Object Detection and Recognition
- 3. Visual Learning and Understanding
- 4. Ethical Dilemmas in AI
- 5. Future Trends in AI
- 6. Societal Impacts of AI

3





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To be a leading provider of innovative and high-quality IT training, empowering individuals and organizations to achieve their fullest potential through technology.



Our Vision



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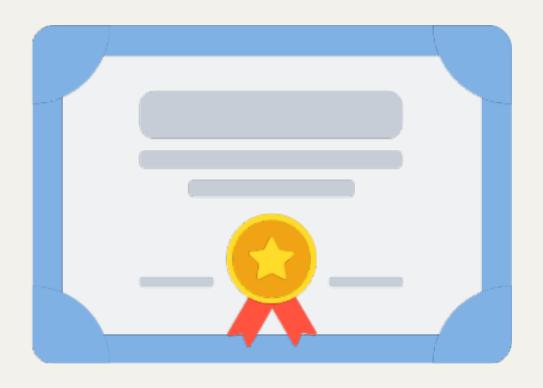
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Joining Letter



Completion Certificate



Additional Features



Welcome Kit



Experience Letter









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Training Mode



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Offline Mode

Hybrid

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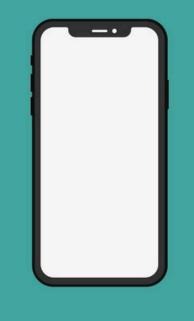


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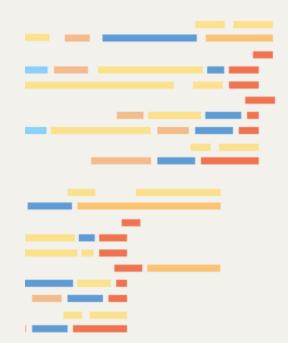
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