Stallers

Artificial Intelligence

Get ready to get a **Placement** earlier this time

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Course Overview

Over 12 weeks, this course will equip you with the theoretical and practical skills to design and implement AI models. You'll gain proficiency in AI techniques, preparing you to solve real-world challenges and drive innovation in your field.

Duration: 12 Weeks
Mode: In-person (Google Meet)
Start Date: 25 oct. 2024

Key Features

Hands-On Projects
Gain hands-on experience by building ML models and working on real-world projects.

Expert Instructors:
Learn from industry experts who provide valuable insights into machine learning.

Flexible Learning
Access course materials anytime, anywhere.

Support
24/7 access to our helpdesk and community forums.

OBJECTIVES

What we do?

At Stallers, we partner with various startups to provide real-world projects and job placements. Our mentors guide students through hands-on learning, ensuring they gain practical skills. This approach helps students secure job opportunities quickly.

How we Teach ?

At Stallers, our skilled mentors provide interactive sessions, hands-on projects, and regular assessments. Their guidance ensures practical skills and personalized support, with job placement assistance to help you succeed in 3 months.

Placements we provide

Join Stallers and boost your career with guaranteed placement support. Our expert team connects you with top opportunities, ensuring you're job-ready upon course completion. Secure your future with us today!

Course Roadmap

Week 1

INTRODUCTION TO AI CONCEPTS

- AI Fundamentals: Learn AI's core concepts, history, and applications. Explore machine learning, NLP, and robotics.

Week 2

EXPLORING AI TECHNIQUES

- AI Techniques: Study supervised, unsupervised, and reinforcement learning. Understand their uses and limitations.

Week 3

FUNDAMENTALS OF SUPERVISED LEARNING

- Supervised Learning: Cover linear regression, logistic regression, and SVM. Build and evaluate predictive models.

Week 4

INTRODUCTION TO UNSUPERVISED LEARNING

- Unsupervised Learning: Explore clustering and dimensionality reduction. Learn to identify patterns in unlabeled data.

Course Roadmap

Week 5

DEEP LEARNING ESSENTIALS

- Deep Learning: Study neural networks, CNNs, and RNNs. Apply them to image and speech recognition.

Week 6

MODEL OPTIMIZATION STRATEGIES

- Model Optimization: Learn hyperparameter tuning and advanced techniques for improving model performance.

Week 7

BASICS OF NATURAL LANGUAGE PROCESSING

- Text Processing: Understand tokenization, stemming, and lemmatization for text analysis.

Week 8

ADVANCED NLP TECHNIQUES

- NLP Models: Explore sentiment analysis, named entity recognition, and language translation. Apply models to real-world tasks.

Course Roadmap

Week 9

AI TOOLS AND FRAMEWORKS OVERVIEW

- AI Tools and Frameworks: Get hands-on with TensorFlow, Keras, and PyTorch. Learn to build and deploy AI models.

Week 10

ETHICAL IMPLICATIONS OF AI

- Ethical Considerations: Examine AI ethics, including bias, privacy, and societal impacts.

Week 11

CAPSTONE PROJECT DEVELOPMENT

- Capstone Project: Develop and present an AI solution to a real-world problem.

Week 12

PLACEMENT WEEK.....

DETAILED
SYLLABUS

Week 1 and 2

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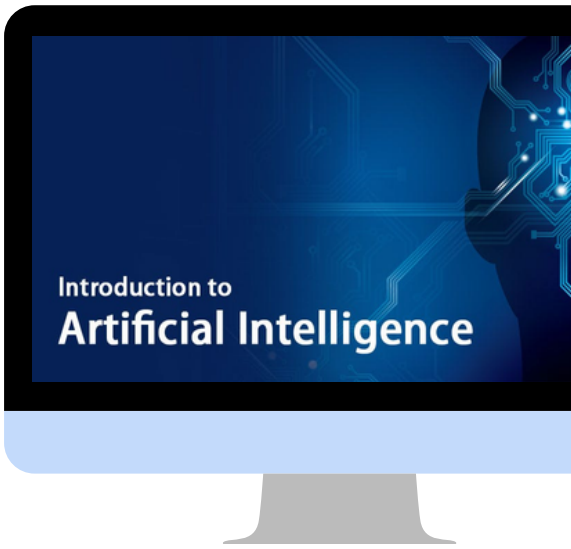
Introduction to Artificial Intelligence

- **AI Fundamentals**: Dive into core AI concepts like machine learning, robotics, and natural language processing (NLP). Explore real-world AI applications in various industries such as healthcare, finance, and transportation.
- **AI Techniques**: Learn key AI techniques, including supervised, unsupervised, and reinforcement learning. Understand where and when to apply these techniques.



Outcomes

By the end of these weeks, you'll understand key AI concepts, its history, and applications. You will be familiar with AI fields like machine learning, NLP, and reinforcement learning techniques.

Week 3 and 4

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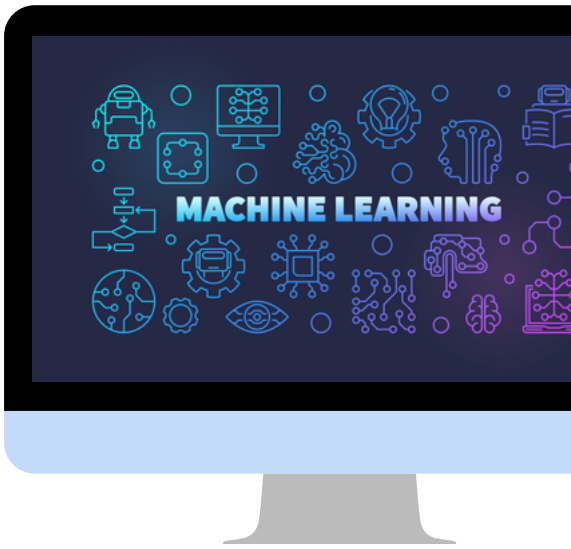
Machine Learning Basics

- **Supervised Learning:** Focus on regression and classification algorithms, such as linear regression and support vector machines. You'll build your first predictive models using labeled datasets.
- **Unsupervised Learning:** Learn clustering techniques like k-means and hierarchical clustering. Discover how these methods can help identify patterns in unlabeled data.



Outcomes

You'll learn to build and evaluate predictive models using supervised learning and explore unsupervised learning methods like clustering. You'll also gain the ability to assess and apply these models in practical scenarios.

Week 5 and 6

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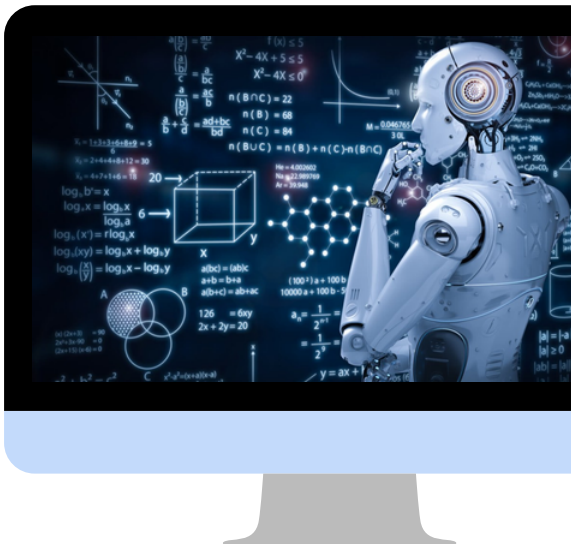
Advanced Machine Learning

- **Deep Learning**: Gain insights into neural networks, the architecture behind deep learning models. Study CNNs and RNNs, focusing on their applications in areas like image and speech recognition.
- **Model Optimization**: Learn techniques such as grid search and random search to fine-tune model parameters. Master regularization techniques to prevent overfitting.



Outcomes

You will grasp deep learning techniques, including CNNs and RNNs, and understand how to use them for image and speech tasks. You'll also learn to optimize models for better performance and accuracy.

Week 7 and 8

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Natural Language Processing (NLP)

- **Text Processing**: Learn tokenization, stemming, lemmatization, and word embeddings. Understand how to clean and preprocess textual data.
- **NLP Models**: Study popular NLP models for tasks like sentiment analysis, machine translation, and named entity recognition. Work with tools like spaCy and NLTK to apply these models.

Outcomes

You'll master text processing techniques and be able to implement NLP models for tasks like sentiment analysis and language translation. You'll also understand key methods for feature extraction from text data.

Week 9 and 10

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AI in Practice

- **AI Tools and Frameworks**: Familiarize yourself with leading AI libraries such as TensorFlow, Keras, and PyTorch. Learn how to build, train, and deploy AI models using these frameworks.
- **Ethical Considerations**: Understand the ethical implications of AI, including biases, privacy concerns, and the societal impact of automation.

Outcomes

You'll become proficient in AI frameworks like TensorFlow and PyTorch, building deployable models. Additionally, you'll gain insights into the ethical challenges surrounding AI, such as bias and its societal impact.

Week 11 and 12

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Capstone Project & Review

- **Capstone Project**: Implement and showcase your skills by developing a comprehensive AI solution. This project will involve designing, building, and deploying an AI model to address a real-world problem.

- **Review and Interview Preparation**: Review key concepts and prepare for AI-related technical interviews with mock interviews, practice questions, and strategies for effective problem-solving.

Outcomes

By the end, you'll apply everything learned to a real-world AI project, demonstrating your skills. You'll also prepare for interviews with problem-solving strategies and a thorough review of AI concepts.

ROADMAP

PLACEMENT WEEK

PLACEMENTS WEEK

our comprehensive one-week placement training program designed to equip you with essential skills, knowledge, and confidence for your job search.

SCHEDULE OVERVIEW

- **Day 1:** Introduction to Placement Strategies and Resume Writing
- **Day 2:** Interview Preparation and Body Language
- **Day 3:** Skill Assessment and Improvement Workshops
- **Day 4:** Mock Interviews and Feedback Sessions
- **Day 5**: Personal Branding and Online Presence
- **Day 6:** Networking Strategies and Career Planning
- **Day 7:** Final Review and Q&A Session.

WEEKS HIGHLIGHTS

Resume Building: Craft a compelling resume that stands out to employers.

Interview Techniques: Master strategies for acing interviews and handling common questions.

Skill Development: Enhance key skills including communication, problem-solving, and teamwork.

Mock Interviews: Gain practical experience with simulated interviews.

Networking Opportunities: Connect with industry professionals and expand your network.

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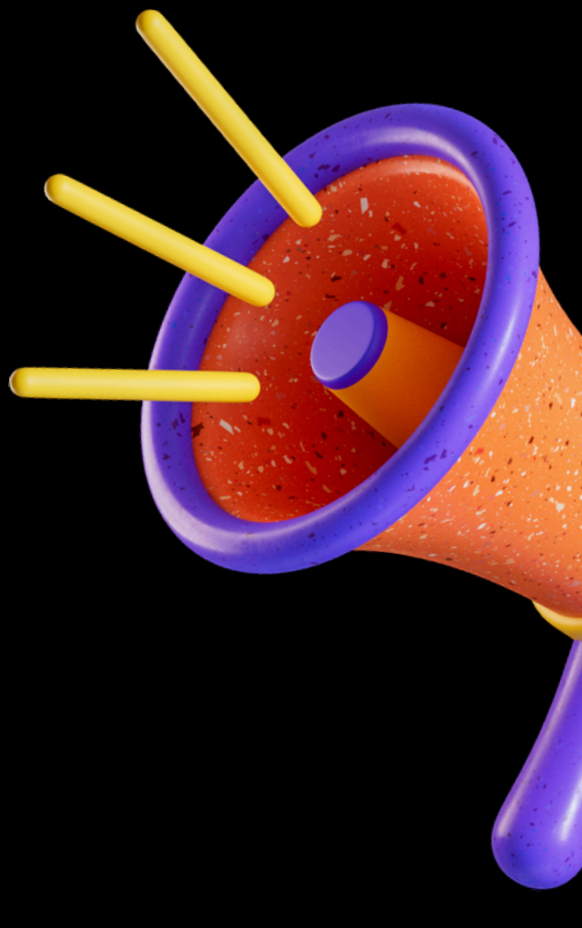
YOU'LL GET
ATLEAST

10 different job opportunity at the end of

3 MONTHS



Guranteed

By the end of our transformative 3-month course, you'll be overwhelmed with job offers from at least 10 top companies. This is your chance to choose from a wealth of exciting career opportunities and launch yourself into a successful future!

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Testimonials

Arjun Mehta,

★★★★★

3 months course with Stallers helped me a lot secure a front-end developer job quickly!.

Priya

★★★★★

The personalized mentorship at Stallers gave me the skills and confidence to succeed.

Raghav

★★★★★

Having placement earlier than compeleting my collges was the best experience, Thanks Stallers

Kavya

★★★★★

Stallers' support was outstanding, helping me land a software engineer position effortlessly.

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THANK YOU

SEE YOU IN THE CLASSES!

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