FUSEMACHINES ARTIFICIAL INTELLIGENCE PROGRAM

About the Program

Fusemachines offers Foundation and Microdegree™ programs in AI for students and engineers who want to build a career in this field.

Our PhDs, seasoned AI industry experts, and faculty from top universities developed the curriculum and assessments to enable industry ready AI engineers.

Fusemachines AI Education Programs

Foundations in AI

Program Duration- 6 Months

(can be selected concurrently or done in semesters)

The Foundation in AI program enables students to launch their AI education for today's industry. The course provides a strong foundation in the mathematical concepts of linear algebra, calculus, statistics, and Python. These are the core prerequisites to mastering Machine Learning.

Courses:

Introduction to Computer Science for AI
3 Months

Introduction to Mathematics for AI
3 Months

Microdegree™ in AI

Program Duration : **6 Months**

The Microdegree™ program was designed by a team of leading US University faculty and AI industry experts. The core goal of the Machine Learning and Deep Learning courses is to upskill a student in AI. We also offer additional specialized courses for students who want to lead a team in the areas of Computer Vision and/or Natural Language Processing.

Courses:

Machine Learning
3 Months

Deep Learning
3 Months

Microdegree™ Specialization

These specialized courses are ideal for students who want to lead a team in Computer Vision and Natural Language Processing. Students can choose to take one or both of the courses, upon completion a certificate will be awarded.

Courses:

Computer Vision
3 Months

Natural Language Processing
3 Months

Key Features
of the Program

Classes run by AI industry experts

Curriculum developed by university professors, PhDs, and industry experts

Immersive courses with video lectures, quizzes, assignments, and projects

Hands-on 50+ real life projects

Codehub - our proprietary coding platform is used to complete coding assignments and course projects

Online learning platform

Webinar sessions by domain expert PhDs

Opportunities to get involved in research projects
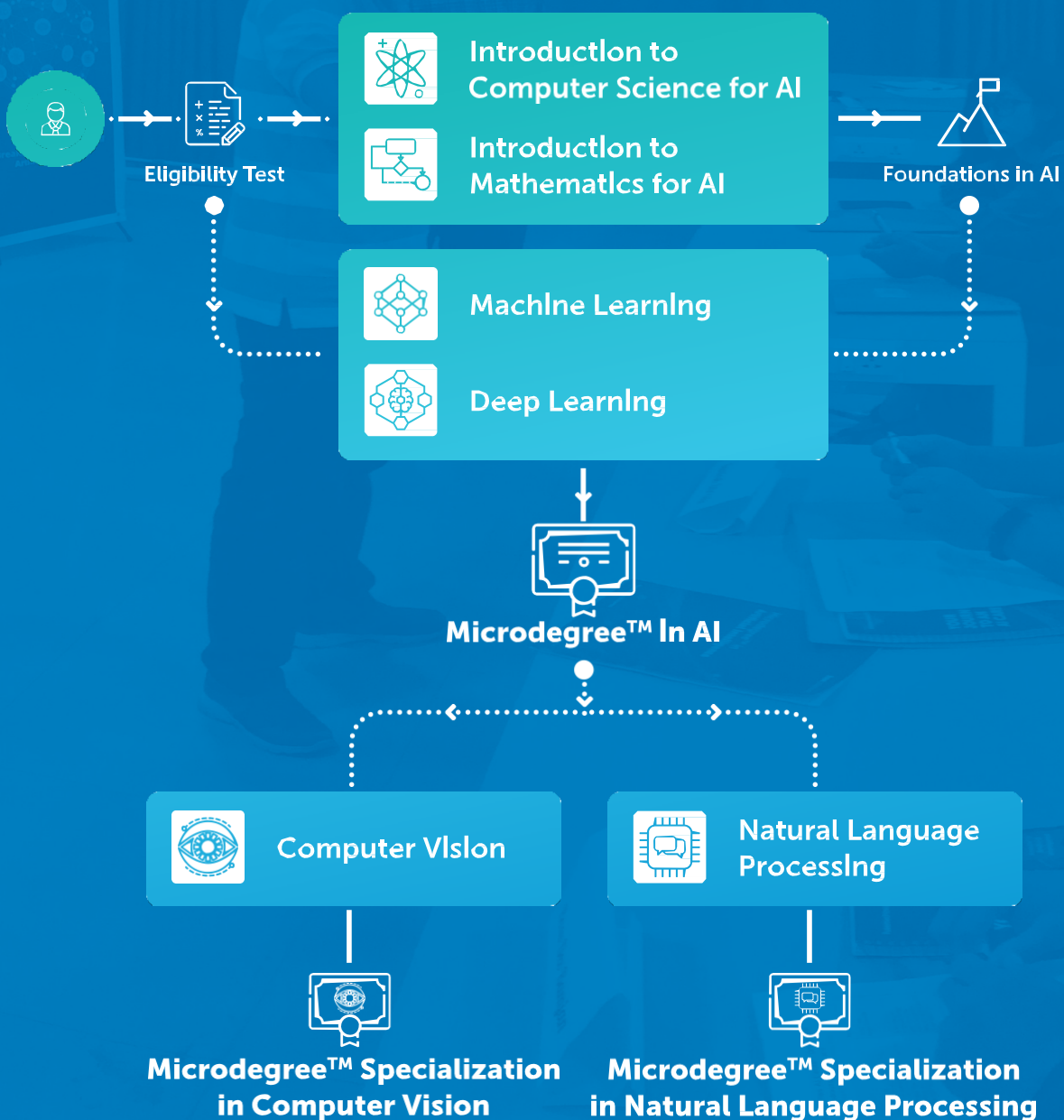
Access to forum, moderated by industry experts

Online-live classes using our zoom integration

Embedded progress tracking

Learning Path

Students first take an Eligibility Test to be placed into the Microdegree™ in AI Program or the Foundations in AI Program, either with or without the CS course. Students who have completed Microdegree™ in AI can apply for Microdegree™ Specialization courses.

Eligibility Test

Introduction to Computer Science for AI

Introduction to Mathematics for AI

Foundations in AI

Machine Learning

Deep Learning

Microdegree™ in AI

Computer Vision

Natural Language Processing

Microdegree™ Specialization in Computer Vision

Microdegree™ Specialization in Natural Language Processing

Outcomes from the Program

Foundations in AI

- Design, implement, test, debug, and document programs in Python
- Understand different concepts related to Computer Science required for AI
- Build strong Programming and Mathematical foundation to take advanced AI courses

Microdegree™ in AI

- Ability to rapidly produce prototype Machine Learning models using most of the common ML libraries such as Tensor flow, Scikit-Learn with a deep understanding of the underlying concepts
- Deep understanding of all topics covered in 2 courses including their mathematical concepts
- Ability to read academic journals and implement classical to state-of-the-art ML algorithms

Microdegree™ Specialization

- Develop a broad foundation on Computer Vision and Natural Language Processing to build and deploy state-of-the-art technologies

Who Should Enroll

For Foundations in AI

- Students with basic knowledge of computer science and mathematics
- Students who have completed their intermediate level.

For Microdegree™ in AI

- Basic knowledge of Linear Algebra and Calculus
- Knowledge of Probability and Statistics
- Programming experience in Python
- Experience implementing Computer Science algorithms and Object-Oriented Programming

For more Information please send a mail to:

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