



AI Machine Learning

Self Paced Program

Get Skilled
Get Hired
Get Promoted

High Impact, Multifaceted Training

Embark on a transformative journey with our Artificial Intelligence & Machine Learning (AIML) Training Program—an online part-time experience that requires just 10-15 hours a week, or even less.

Designed to serve as your launchpad into the dynamic realm of AIML, this program guarantees to equip you with comprehensive knowledge and skills essential for a successful career in AI and Machine Learning, regardless of your prior experience.

Immerse yourself in a world of learning through lecture videos, engaging assignments, quizzes, and labs. Culminate your experience with a final project that puts your newfound skills to the test. Led by industry and academic experts, our AIML Program offers a fully immersive experience, providing you with the fundamentals, key skills, and techniques necessary for success in the AIML landscape. This is your opportunity to shape your future with the added benefit of placement assistance to kickstart your career journey.

**STUDY AT YOUR
OWN PACE**

**ADVANCE YOUR
CAREER**

**REAL WORLD
INSTRUCTION**

"I loved how the instructor used the Kaggle to give demo. I also loved how he explained where and how we will be using the predictor variable in the real world."

Srabasti Dutta



Bootcamp Curriculum Overview

The Artificial Intelligence and Machine Learning (AIML) Training Program at WFI is an online part-time program designed to propel your career towards becoming a proficient AI and ML practitioner. Acquire comprehensive knowledge and skills to analyze data effectively, empowering you to assist business leaders in making informed decisions, regardless of your prior practical experience in the field of AI and ML.

The program is rigorous and packed with challenges covering concepts, theories and projects; but you will have all the help needed to navigate through the process in the form of academic counselling, mentor office hours and assessments.

The AI ML Program will provide fully immersive learning through lecture videos, content, blogs & mentoring and coaching. You will learn AI and Machine Learning fundamentals, key skills and techniques from industry and academic experts in this unique program.

Invest in Acquiring the Required Skills

This program is not just an AIML training bootcamp – it is a program that focuses on giving you a successful AIML career. You will get access to networking events, latest industry trends, valuable resources, webinars, and much more.

At the end of this program, you will:

- Develop essential skills in Artificial Intelligence and Machine Learning
- Learn the secrets, methodologies and tips and tricks used by AIML experts
- Gain both theoretical and practical knowledge of the AIML field
- Earn a certificate and enjoy a graduation ceremony

Who Should Attend This Training?

The AIML program is a diverse program that caters to anyone interested in building a career in Artificial Intelligence and Machine Learning. Whether you're a millennial, a college grad or a diploma holder, going through any of the following career phases, this program is meant for you:

New Career Seekers: AIML is an in-demand profession across the United States and even globally, and one that is quite lucrative if you have the right training.

Career Changers: Think you have a knack for AIML and want to test out a different career phase? The program gives a foundational training to anyone who wants to learn about AIML right from the start.

Career Advancers: Been in the industry for long but want to sharpen your AIML skills? The program's advance training & coaching sessions with AIML experts will empower you with the knowledge you need to improve.

Jobs You Will Be Ready For

Here is a list of real-world jobs that you can apply this bootcamp to:

- Machine Learning (ML)
- Robotics Engineer
- Engineer Data Scientist
- Big Data Analyst
- NLP Engineer



AIML Program Structure

Troughout the 9 Modules in this program, you will go through lecture videos and a variety of individual exercises, in online self-paced format.

Online Modules

Self-paced learning through online course modules within our platform, allowing you the flexibility with the hours you can choose to study within the week.

Student Slack Support:

Get connected with the instructor and the student support team on Slack from the start of the program and get a quick response to your questions and queries.

Assignment Feedback

Submit your assignments via Email/ Slack and get feedback on it from your instructor in the form of audio or video feedback.



Course Outline

Module 1: Introduction to Python and its Libraries

- Introduction to Python: Syntax
- Pythonic Functions and Good Practices
- Linear Algebra: NumPy Plotting:
- Matplotlib and Seaborn
- Dataframes: Pandas

Module 2: Introduction to Machine Learning

- Overview: AI and Machine Learning
- Linear Regression and Loss Functions
- Gradient Descent
- Genetic Algorithms
- Advanced Genetic Algorithms

Module 3: First Models and Tests

- Data Pre-Processing and Feature Engineering
- Logistic Regression
- Decision Trees Demo
- Building a Complete Model

Module 4: Common Machine Learning Models

- Regression Trees and Random Forests
- Support Vector
- Machines Ensemble Methods and Hyper Parameter Search
- Unsupervised Learning: Clustering

Module 5: Neural Networks 1

- Neural Networks
- Deep Neural Networks and Backpropagation
- Modularity of Neural Networks
- Gradient-based Learning
- Demo: Building a Neural Network inTensor flow

Module 6: Neural Networks 2

- Convolutional Neural Networks
- Recurrent Neural Networks
- Autoencoders
- Generative Adversarial Networks

Module 7: Natural Language Processing

- Introduction to NLP
- N-Grams
- NLTK Neural Networks in NLP 1
- Neural Networks in NLP 2
- Recurrent Neural Networks

Module 8: AWS and SQL for Machine Learning

- Databases
- Cloud Computing

Module 9: Azure AI Engineer Certification

- Introducing Azure Cognitive Services
- Creating Bots
- Enhancing Bots with QnA Maker
- Learn How to Create Language
- Understanding Functionality with LUIS
- Enhancing Your Bots with LUIS
- Integrate Cognitive Services with Bots and Agents

