

ARTIFICIAL INTELLIGENCE ENGINEER

Master Class

Course Outline





Course Overview:

The AI Engineer Master's Program, in collaboration with IBM, covers the crucial skills you need for a successful career in Artificial Intelligence (AI). As you undertake this Artificial Intelligence program, you'll master the concepts of Machine Learning and Deep Learning along with the internationally-acclaimed programming language Python needed to excel in the field of AI. You will also learn how to design intelligent models and advanced artificial neural networks, and leverage predictive analytics to solve real-time problems to take your career in Artificial Intelligence to the next level.

Key Features:

- Obtain industry-recognized IBM certificates for IBM courses
- Exclusive Hackathons and Ask Me Anything sessions by IBM
- Live online masterclasses delivered by IBM experts
- 3 Capstone and 12 industry-relevant projects from the likes of Amazon, Walmart, Mercedes Benz, and Uber 8X higher live interaction in live online classes by industry experts
- Top-notch curriculum with integrated labs

Learning Outcomes

- Learn about the major applications of Artificial Intelligence across various use cases across various fields like customer service, financial services, healthcare, etc.
- Implement classical Artificial Intelligence techniques such as search algorithms, neural networks, and tracking.
- Gain the ability to apply Artificial Intelligence techniques for problem-solving and explain the limitations of current Artificial Intelligence techniques.
- Master the skills and tools used by the most innovative Artificial Intelligence teams across the globe as you delve into specializations, and gain experience solving real-world challenges.
- Design and build your own intelligent agents and apply them to create practical Artificial Intelligence projects including games, Machine Learning models, logic constraint satisfaction problems, knowledge-based systems, probabilistic models,



- agent decision-making functions and more.
- Understand the concepts of TensorFlow, its main functions, operations, and the execution pipeline.
- Understand and master the concepts and principles of Machine Learning, including its mathematical and heuristic aspects.
- Master and comprehend advanced topics such as convolutional neural networks, recurrent neural networks, training deep networks, and high-level interfaces.
- Learn to deploy deep learning models on Docker, Kubernetes, and in serverless environments (cloud)
- Understand the fundamentals of Natural Language Processing using the most popular library; Python's Natural Language Toolkit (NLTK).

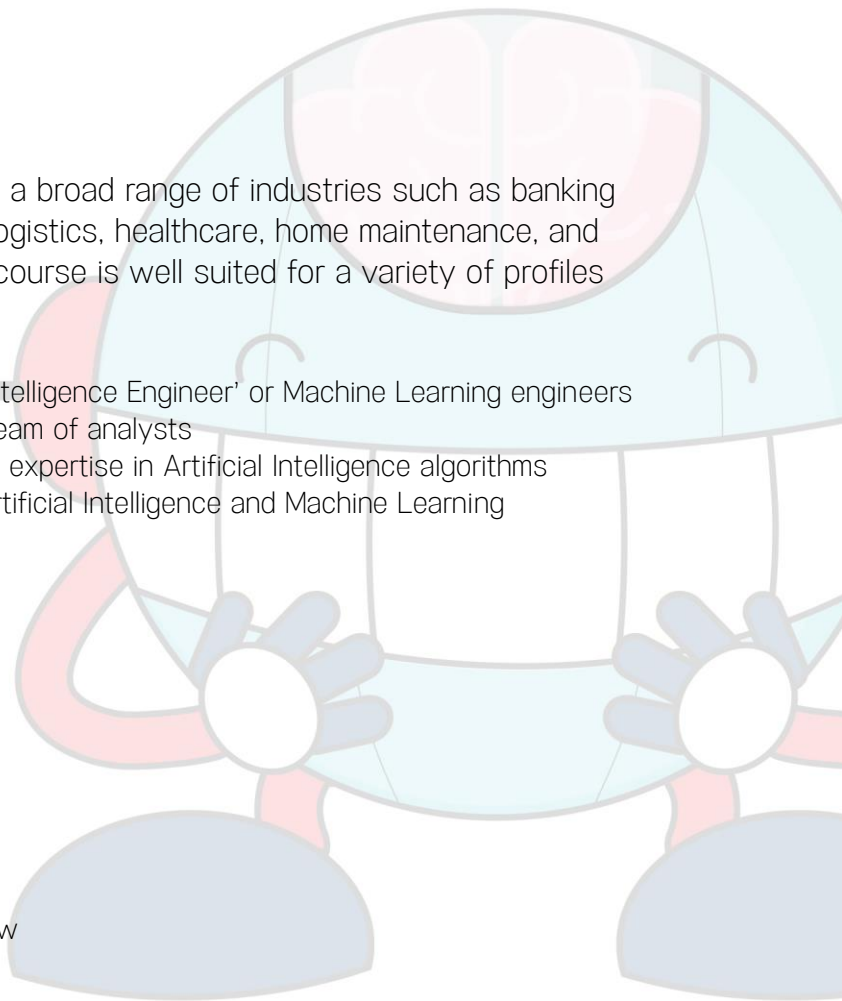
Who Will Benefit:

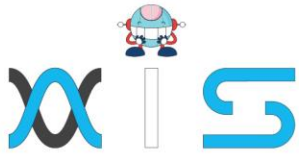
With the demand for Artificial Intelligence in a broad range of industries such as banking and finance, manufacturing, transport and logistics, healthcare, home maintenance, and customer service, the Artificial Intelligence course is well suited for a variety of profiles like:

- Developers aspiring to be an 'Artificial Intelligence Engineer' or Machine Learning engineers
- Analytics managers who are leading a team of analysts
- Information architects who want to gain expertise in Artificial Intelligence algorithms
- Graduates looking to build a career in Artificial Intelligence and Machine Learning

Learning Path:

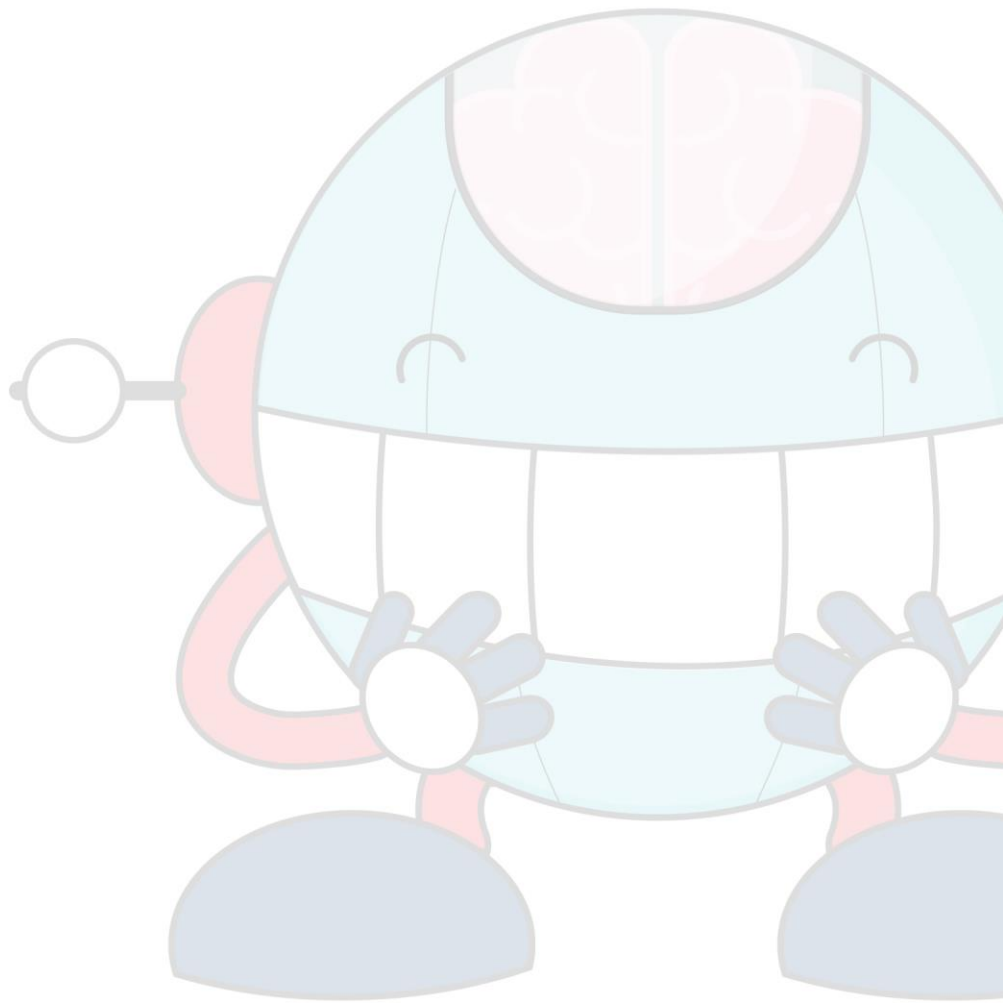
1. Introduction to Artificial Intelligence
2. Data Science with Python
3. Machine Learning
4. AI Capstone Project
5. Deep learning with Keras and TensorFlow

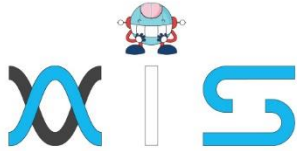




Electives:

- Python for Data Science
- Advanced Deep Learning and Computer Vision
- Natural Language Processing and Speech Recognition Industry
- Masterclass Delivered by IBM





AIS

With the rising demand in scalable technology, AIS provides tailored goal-setting based on your organization's needs and expectations. With products geared towards the growing needs of your organization's customers and employees, AIS has innovative and value-driven solutions.

Learning Partners



SAS Management, Inc.

SAS Management, Inc. has been a leader in the training, certification and consulting services industry in the Philippines. With offices in Makati, Ortigas and Cebu, Philippines, the company has been the top training and consulting company for over 9 years. In its years of existence, it has provided certificates to over 100,000 professionals including 10,000 participants in the 160+ courses that have been conducted just during the 2020-2021 pandemic alone. The most sought-after courses being offered are ITIL, Project Management Professional (PMP)®, COBIT 5, Six Sigma Yellow Belt, Six Sigma Green Belt, PRINCE2, and organizational skills, among others.



Simplilearn

Simplilearn, based in California and India, is the world's #1 online bootcamp and one of the world's the leading certification and training providers. Simplilearn trained over 2,000,000 professionals with 2,000+ trainers and provides over 400 different courses.

Technology Partner



Freshworks

With over 40,000 customers, Freshworks is a business solutions software provider with products ranging from IT helpdesk and service desk, customer relationship management, live chat, marketing automation, phone system, and HR.

Partners & Affiliates



PECB

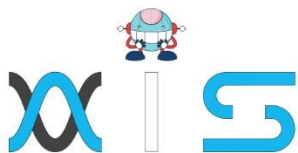
SDI Service Desk Institute

EC-COUNCIL

MIT Massachusetts Institute of Technology



P PURDUE UNIVERSITY



The program presented, as well as a wide range of programs are products of the partnership of AIS, SAS Management, Inc., and Simplilearn. With a common goal of providing the best practice of facilitating learning with an array of choices available in the online platform in this time of digitization.

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