

RCAI: Rocheston Certified AI Engineer

Course Code: RCAI

Duration: 5 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

The Rocheston Certified Artificial Intelligence Engineer (RCAI) training and certification program is a professional certification course that equips students with a profound understanding of the algorithms, applications, and tools used for Artificial Intelligence (AI) in today's digital world.

The RCAI training program is designed by Rocheston, a pioneering company in cybersecurity training. It provides specialization in AI and its increasing role in several industries. It aims to prepare the students to solve complex AI problems and applications. Post certification, the students can work as AI Engineers or any interdisciplinary roles related to AI in corporate and industries.

Also, the RCAI program series are accordant with CE standard, a high standard within Rocheston's cybersecurity framework which ensures the candidates are learning the best and latest in the innovation field.

SKILLS COVERED

- Artificial Intelligence (AI) Basics
- Machine Learning and Deep Learning
- Algorithms & Models for AI Applications
- Robotics and Autonomous Systems
- AI in Cybersecurity
- Natural Language Processing (NLP) & Speech Recognition
- AI & Data Science
- Tools, Libraries, and Softwares used in AI
- AI Ethics and Challenges

WHO SHOULD ATTEND?

The Rocheston Certified AI Engineer course is designed for a wide range of professionals who are eager to dive deep into the realm of artificial intelligence (AI). Ideal candidates include software engineers, data scientists, IT managers, and technology consultants who wish to enhance their expertise in AI and machine learning.

Additionally, business analysts and project managers involved in AI-driven projects will find the course invaluable for understanding the technological nuances and strategic applications of AI. Even entrepreneurs and innovators looking to incorporate AI into their solutions or products can benefit significantly from the course content.

The curriculum is crafted to cater to both seasoned professionals looking to update their skill set and newcomers aspiring to build a career in AI, making it inclusive yet comprehensive.

PREREQUISITES

The RCAI Engineer certification course is designed such that upon the course completion, the RCAI Engineer is up and ready for a productive role in the AI projects. Therefore, the RCAI certification requires the learner to have a basic knowledge of some of the related subjects including basics of Python programming language, calculus & linear algebra and probability.

MODULES

- Module 00 - Welcome to RCAI Class
- Module 01 - Introduction to AI
- Module 02 - AI Revolution
- Module 03 - Ethics and Regulations in AI
- Module 04 - Microsoft Introduction to AI
- Module 05 - Python Programming for AI
- Module 06 - Mathematical Foundations
- Module 07 - Machine Learning
- Module 08 - Training and Deploying Models
- Module 09 - Kaggle Datasets
- Module 10 - AI Technologies
- Module 11 - AI Frameworks
- Module 12 - AI Object Detection
- Module 13 - AI OpenAI and ChatGPT
- Module 14 - AI in Cybersecurity
- Module 15 - Large Language Models (LLM)
- Module 16 - Artificial Intelligence Labs
- Module 17 - Generative Art
- Module 18 - AI Facial Recognition
- Module 19 - AI Deep Learning Essentials
- Module 20 - Data Science Fundamentals
- Module 21 - Microsoft Azure AI
- Module 22 - Google Vertex AI
- Module 23 - Amazon SageMaker
- Module 24 - Applications in AI
- Module 25 - AI Applications Writing
- Module 26 - AI Applications Video
- Module 27 - AI Code Cheatsheet
- Module 28 - AI Applications Sales
- Module 29 - AI Applications Personal
- Module 30 - AI Applications Personal Chatbots
- Module 31 - AI Applications No-Coding
- Module 32 - AI Applications Images
- Module 33 - AI Applications Financial
- Module 34 - AI Applications Education
- Module 35 - AI Applications Design
- Module 36 - AI Applications Coding
- Module 37 - AI Applications Audio
- Module 38 - Deep Learning Technical Lectures
- Module 39 - Big Data Technologies
- Module 40 - RCAI Classroom Project
- Module 41 - Microsoft Machine Learning Tools

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