

AI Automation

4 months

Online

Part-time

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What is AI Automation?

The AI Automation Program is a hands-on, 7-sprint program designed to equip professionals with the skills needed to implement and manage AI solutions in real business environments—no prior technical background required.

What you'll learn?

You'll start by learning the foundations of prompt engineering and comparing leading AI tools like ChatGPT, Claude, and Gemini. As you progress, you'll dive into the inner workings of Large Language Models (LLMs), build AI-powered apps and chatbots using no-code platforms, and master AI-driven automation through tools like Zapier.

The program also covers advanced AI applications, including building intelligent agents and generating multimedia content, while addressing ethical implications of AI in the workplace.

Learn to build, integrate, and optimize AI solutions

You'll gain technical experience integrating AI systems using WebHooks, APIs, and data pipelines, and learn how to monitor and optimize performance in production environments.

Each sprint includes a practical project where you'll apply what you've learned to real-world business cases.

The program concludes with a capstone project where you'll design, build, and present a full AI solution to solve a complex business challenge, showcasing your new capabilities as an AI Automation specialist.

Program Structure

Your journey will be structured as a series of sprints, grouped into thematic modules. Each sprint will have a particular set of learning outcomes, reinforced through quizzes and tasks.

We provide rough time estimates, but recommend spending around 15–20 hours per week studying. Everyone learns at different paces, so feel free to go at your own speed.

After completing the program and obtaining the AI Automation certification, you will be ready to begin the job search as a certified AI Automation specialist.

Module 1: AI Tools and Application Development

Sprint 1

AI Tools and Prompt Engineering

This sprint lays the foundation for understanding AI's capabilities and business impact. You'll compare different AI tools, learn the fundamentals of prompt engineering, and apply best practices to optimize AI-generated results.

By the end of the sprint, you'll be able to solve real-world business cases using effective prompt strategies.

ChatGPT

Claude

Gemini

DeepSeek

Mistral Vibe

Nebius Token Factory (basic functionality)

Project: Implement a business case using prompt engineering to solve an industry-specific challenge

Sprint 2

Understanding LLMs and Building AI-Powered Applications

In this sprint, you'll explore the potential and limitations of Large Language Models (LLMs) and learn to fine-tune their outputs. You will also develop basic AI-powered applications and chatbots using no-code platforms.

By the end, you'll design and build a functional AI-powered application for practical use.

Nebius Token Factory (advanced functionality)

Zero-code app builder supporting LLM integration

Project: Build an AI-powered chatbot or application for a real-world scenario

Module 2: AI-Driven Automation and Advanced Applications

Sprint 3

AI-Driven Automation

This sprint focuses on operational efficiency through automation. You'll learn how to design AI-powered workflows and analyze case studies from different industries.

A hands-on project will guide you through creating a complete automation solution for a business process.

Zapier

Project: Develop an AI-driven automation solution for streamlining a business operation

Sprint 4

Advanced Applications of AI

Explore advanced AI concepts, including AI bots and agents for decision-making and task automation. You'll also dive into AI-generated multimedia content and address ethical considerations in AI usage.

By the end, you'll create an AI agent tailored for a specific business task.

Text-to-Image models in Nebius Token Factory

Project: Develop an AI agent to perform a business-specific automation task

Module 3: Technical Integration and Solution Optimization

Sprint 5

Technical Integrations: Data, WebHooks, and APIs

This sprint focuses on integrating AI solutions into existing systems using data pipelines, WebHooks, and APIs. You'll gain hands-on experience automating data processes and setting up event-triggered actions for seamless system connectivity.

APIs

WebHooks

Automated Data Processing Tools

Project: Create an integrated AI solution that connects with existing business systems

Sprint 6

Robotic Process Automation (RPA)

In this sprint, you'll learn the fundamentals of RPA and how it's transforming digital operations. You'll explore the core components of RPA systems, identify common automation opportunities, and design your first RPA workflows using intuitive tools. By the end, you'll have hands-on experience creating bots that handle repetitive tasks with speed and accuracy.

UiPath

Project: Design and implement an RPA bot that automates a repetitive business task

Module 4: Capstone Project

Sprint 7

Capstone Project

In the final sprint, you'll apply everything you've learned to solve a real-world business problem.

From identifying challenges to developing and presenting a working prototype, this capstone project will be a comprehensive demonstration of your AI skills.

Tools: All previously used tools

Project: Design, implement, and present a complete AI solution to address a real business challenge

Career Preparation

During the program

Stay connected to your career goals while focusing on technical learning.

Career-focused lessons throughout the program

Job market insights and career awareness

Professional and soft skills development

Career Sprint

Spend 6 weeks preparing for your job search after graduation.

Build your resume, LinkedIn profile, and job search strategy

Join live group sessions and AMA sessions with career coaches and industry experts

Get started with our AI-powered job search platform for interview practice, career resources, and application management

Active Job Search

Throughout your job search period (up to 10 months), you'll receive ongoing guidance from the Career Team, strengthen your professional network, and have opportunities to keep building your portfolio.

Get guidance from your assigned career coach

Use our AI-powered job search platform to manage applications, networking, and interviews

Attend live career workshops and other learning opportunities

Access TripleTen's job board with roles from our employer network

Get opportunities to work on projects with partner employers

Receive unlimited AI-powered HR and technical interview practice

Practice live mock interviews with your coach when you land an interview

Learn the job by doing the job

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