

AI IN BUSINESS

BUILD YOUR STARTUP FROM SCRATCH USING AI

key



Course Details

AI E-COMMERCE BUILDER: COMPLETE GUIDE ✓

INSTRUCTOR: ENG. MOSTAFA MOHAMED

DURATION: 12 HOURS – 14 HOURS

NO PRIOR EXPERIENCE REQUIRED

E-CERTIFICATE UPON COMPLETION

About The Instructors: ENG. MOSTAFA MOHAMED

Eng. Mostafa Mohamed is a software engineer, technical content creator, and educator specializing in software development, Artificial Intelligence, automation, and freelancing.

He has built an Arabic-speaking community of more than 200,000 subscribers, sharing practical knowledge that helps learners develop real-world technical skills.

Throughout his career, he has worked on large-scale and complex software systems for private enterprises and government organizations across multiple countries. His expertise combines traditional software engineering with modern AI technologies, enabling him to build intelligent applications, AI agents, and automation systems that significantly improve productivity and business performance.

His teaching philosophy is simple: tools evolve, but the way you think shouldn't. Rather than focusing on a single technology, he emphasizes problem-solving, software architecture, and the underlying principles that allow students to adapt to any new framework or AI tool. Every lesson is based on practical experience, real

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Course overview:

Artificial Intelligence is transforming the way modern web applications and e-commerce platforms are built. Today, it's possible to turn an idea into a fully functional online store using AI-powered development tools—without spending years mastering traditional programming.

This hands-on diploma is designed to guide you through the complete journey of building a professional e-commerce platform from scratch. Starting with idea validation and user journey analysis, you'll move through UI design, database architecture, application development, payment integration, AI-powered automation, and finally deploy your project on a live domain.

Whether you're a beginner, entrepreneur, freelancer, or aspiring developer, this diploma provides a practical roadmap to building real-world AI-powered applications while learning modern development workflows and industry best practices.

By the end of this diploma, you'll have built a complete e-commerce project, understand every stage of the software development lifecycle, and confidently use AI to accelerate web application development.

What you'll learn:

By completing this course, you will be able to:

✓ AI-Powered Application Development

- Understand modern AI-assisted development workflows.
- Learn the fundamentals of web application architecture.
- Build projects faster using AI development tools.

✓ Project Analysis & User Experience

- Transform business ideas into technical requirements.
- Analyze user journeys and customer experience.
- Create structured project documentation before development.

✓ UI Design & Project Planning

- Design professional user interfaces.
- Build complete screen flows and layouts.
- Use AI tools to accelerate UI and design systems.

✓ Database Design & Backend Integration

- Design scalable database structures.
- Understand relationships between application data.
- Connect databases with modern web applications.

✓ E-Commerce Development

- Build the core pages of an online store.
- Implement authentication and user management.
- Develop product pages, shopping carts, and order management.

✓ Payment Systems & Integrations

- Integrate secure online payment gateways.
- Process customer orders efficiently.
- Connect third-party services and APIs.

✓ AI Automation & Smart Features

- Build AI-powered customer assistants.
- Automate order processing and customer interactions.
- Enhance user experience using AI technologies.

✓ Deployment & Optimization

- Test and optimize your application.
- Apply security best practices.
- Deploy your project to a live domain.

Why Should You Attend This Diploma?

🚀 Learn how to build a complete AI-powered e-commerce platform from scratch.

💻 Gain practical experience by developing a real-world project throughout the diploma.

🤖 Master the latest AI development tools to increase productivity and reduce development time.

📈 Build a portfolio-ready project that demonstrates your technical skills.

💼 Acquire highly demanded skills for freelancing, startups, and software development careers.

🧠 Understand the complete product development lifecycle—from planning and design to deployment and maintenance.

Course Content:

Module 1 — Introduction to AI-Powered Development

- Introduction to AI-assisted software development.
- Modern application development methodologies.
- Essential concepts and development environment.

Module 2 — Project Analysis & User Journey

- Understanding business requirements.
- User journey mapping.
- Project planning and requirement gathering.

Module 3 — UI Design & Project Structure

- Building a professional design system.
- Creating screen flows and layouts.
- Using AI tools for interface design.

Module 4 — Database Design & System Architecture

- Database fundamentals.
- Data modeling and relationships.
- Connecting databases with applications.



Course Content:

Module 5 — Building the E-Commerce Platform

- Home page development.
- Authentication and user accounts.
- Product catalog and browsing experience.

Module 6 — Shopping Cart & Payment Integration

- Shopping cart implementation.
- Checkout workflow.
- Payment gateway integration and order management.

Module 7 — AI Features & Automation

- Building an AI customer assistant.
- Automating customer interactions.
- AI-powered workflow optimization.

Module 8 — Testing, Security & Deployment

- Application testing and optimization.
- Security best practices.

