

# ALI ALMADHOOB

Tech Enthusiast | GenAI | Full-Stack Developer @Raincode.tech | Prompt Engineer | Automations n8n | Langchain | MCP Builder | AI Agents | Systems that Scale | Computer Science Graduate AUBH

[alialmadhoob3@gmail.com](mailto:alialmadhoob3@gmail.com) [+973 36144408](tel:+97336144408) [madhoob.dev](http://madhoob.dev) [LinkedIn](https://www.linkedin.com/in/madhoob/)

Manama, Bahrain

## SUMMARY

AI Engineer and Full-Stack Developer specializing in building generative AI solutions and intelligent automation systems. Experienced in delivering enterprise-grade applications using Langchain, n8n, RAG systems, vector stores, and Model Context Protocol (MCP) for clients in the banking and fintech sectors. Published researcher in AI/ML with papers in IEEE and ACM. Multiple hackathon winner with a track record of transforming ideas into production-ready solutions.

## EXPERIENCE

### Full Stack Developer & AI Engineer

07/2025 - Present

Raincode.tech - Manama, Bahrain

- Delivering generative AI solutions using Langchain to Scandinavian and GCC banks, ensuring compliance with EU GDPR, Swedish financial regulations, and regional data protection standards.
- Developing AI-powered automations using n8n and designing intelligent agents with vector stores and RAG systems for context-aware, autonomous task execution with Model Context Protocol (MCP).
- Building scalable applications with Node.js, React, Next.js, FastAPI, and Flask in an Agile/Scrum environment, adhering to strict regulatory and security requirements.

### AI Engineer

05/2025 - 07/2025

DOO (Startup)

- Developed and deployed intelligent agents using n8n and Azure AI Foundry, managing complex workflows across model routing and function calling.
- Built and integrated vector stores for retrieval-augmented reasoning; implemented custom functions to extend agent capabilities beyond language model output.

### Digital Solutions Team

07/2024 - 08/2024

Investcorp - Bahrain

- Worked on Azure services and utilized Node.js to implement backend services within the financial sector IT projects, collaborating with industry experts in a dynamic environment.

### Teacher Assistant & Peer Tutor

09/2023 - 05/2025

American University of Bahrain (AUBH)

- Presented lectures on Operating Systems; implemented Database Labs using NoSQL and MongoDB; tutored students in Math, Physics, Chemistry, and Computer Science subjects.

## EDUCATION

### Bachelor's in Computer Science

2021 - 2025

American University of Bahrain (AUBH)

GPA: 4.0 | Highest Honor: Summa Cum Laude

## PROJECTS

### RainCube Bug Bounty Platform

1st Place - Build Hackathon

Cybersecurity collaboration platform connecting ethical hackers with companies for responsible vulnerability disclosure. Transforms security from reactive to proactive system built on trust and transparency.

### AI Agents Platform

Claude Agents SDK

Multi-agent platform for SEO, web scraping, content creation, RAG, and MCPs using Claude Agents SDK with intelligent orchestration and workflow automation.

### BudgetM8 - AI Expense Tracker

React Native + Node.js

AI-powered expense tracking application with receipt scanning using OCR technologies. Provides personalized spending insights and recommendations.

### QuizWiz - AI Learning Platform

2nd Place - GenAI Hackathon

AI-generated flashcards and intelligent chatbot for studying. Features PDF upload with GenAI-powered content extraction and personalized learning.

## PUBLICATIONS

### Comparing GenAI Models' Capabilities in Solving Cryptographic Problems and Algorithms

IEEE - 08/2025 | [ieeexplore.ieee.org/document/11166628](https://ieeexplore.ieee.org/document/11166628)

### QuizWiz: GenAI-Powered Study Tools for Students

ACM | [dl.acm.org/doi/abs/10.1145/3704289.3704296](https://dl.acm.org/doi/abs/10.1145/3704289.3704296)



## LANGUAGES

English

Professional



Arabic

Native



## CERTIFICATIONS

### Ethical Hacker

Cisco

### BH National CTF (Capture the Flag)

Bahrain Polytechnic

### AWS Academy Cloud Foundations

Amazon Web Services

### Power BI Data Analyst Associate

Microsoft

### Asymmetric Cryptography & Key Mgmt

University of Colorado System

### Symmetric Cryptography

University of Colorado System

### MATLAB Onramp Certified

MathWorks

### Networking Academy Learn-A-Thon 2025

Cisco

### IELTS

IELTS Official

## AWARDS & ACHIEVEMENTS

★ Dean's List Student - AUBH

★ AUBH Scholarship

★ MISTI-Global Teaching LAB

★ BBK FINSEC Knights Hackathon

★ Qdrant Hackathon

★ Cyber Guards Hackathon

★ True Pixel 3rd Place - GenAI Hackathon

## TECHNICAL SKILLS

AI/ML: n8n, OpenAI, Claude, Langchain, RAG, MCP

Frontend: React, Next.js, TypeScript, Tailwind

Backend: Node.js, FastAPI, Flask, Python

Database: PostgreSQL, MongoDB, SQL Server

DevOps: Docker, Azure, AWS, Git, CI/CD

## SOFT SKILLS

Problem Solving & Critical Thinking

Team Collaboration & Leadership

Communication & Mentoring

Adaptability & Fast Learning