

# 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

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📍 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