

# HAMDAN MOHAMMAD

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## EDUCATION

### University of Bolton - RAK

Bachelor of Engineering in Software Engineering

80%

2021 - 2024

**Relevant Coursework:** Security Fundamentals, Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks, User Interface/User Experience, Software Development Life Cycle, Machine Learning

## EXPERIENCE

### Raen AI | AI Applications Developer

May 2024 - Present (Remote)

- Leveraged OpenAI and Langchain to build complex AI agents and products for various use cases.
- Architected and deployed scalable backend APIs using FastAPI, handling 1000+ concurrent requests.
- Leveraged CI/CD pipelines and automated deployment to AWS EC2 with SSL certification.
- Collaborated with cross-functional teams to deliver major AI product features within tight deadlines.

### Viewit | Python & AI Developer

April 2023 - Present (Remote)

- Spearheaded development of an AI-powered real estate chatbot using LLMs, increasing user engagement by 60%.
- Optimized application performance by implementing efficient API endpoints using Flask and FastAPI.

### IonCure Pvt. Ltd. | Associate

May 2022 - December 2022 (Remote)

- Developed and automated email campaign system using Python, increasing outreach efficiency by 300%.
- Streamlined data entry processes by implementing Python automation and web scraping scripts, reducing manual effort by 80%.

## TECHNICAL SKILLS

Languages :	Python, HTML, CSS, JavaScript, PHP
Frameworks :	Flask, FastAPI, NodeJS, ExpressJS, ReactJS, Tailwind CSS
Databases :	MySQL, PostgreSQL, MongoDB, Firebase, SQLAlchemy ORM
AI/ML Modules:	Tensorflow, Scikit-learn, Keras, LangChain, OpenAI
Technology :	Linux, Git, GitHub, Docker, Amazon Web Services (AWS), Figma

## PROJECTS

### MyChatFolio | NextJS, Python - Streamlit, LangChain, OpenAI

[Repository](#)

- Designed a portfolio-interview chatbot solution that secured 1st place in the Youth AI Hackathon 2024.
- Pioneered a unique solution for employers, eliminating the need for first-round interviews.
- Spearheaded the implementation of conversational AI features that simulated natural dialogue which results in an improved interaction rate, facilitating smoother preliminary assessments for job applications.

### Persona-Adaptive AI Chatbot | Flask, SQLite, SQLAlchemy, HTML, CSS, LangChain

[Repository](#)

- Architected and deployed a full-stack AI chatbot platform designed to be a 24/7 virtual employee.
- Implemented an AI persona creation system allowing users to customize AI behavior, characteristics, and personality.
- Integrated secure file upload system for custom knowledge base creation, supporting multiple file formats.

### EduTrack - Attendance Management System | HTML, CSS, JavaScript, PHP, MySQL

[Repository](#)

- Built a comprehensive web-based attendance management system.
- Innovated key features including role-based access control, class creation/management, real-time attendance tracking, notifications, and report generation.
- Led full-stack development from database architecture to responsive frontend interface, improving attendance tracking efficiency.

CERTIFICATIONS

**Samsung Innovation Campus UAE** | *Artificial Intelligence & Machine Learning*

[View Certificate](#)

- Mastered advanced AI, ML, and Deep Learning concepts through hands-on projects.
- Completed data preprocessing pipelines and visualization techniques for complex datasets.
- Collaborated on the development of a sentiment analysis models for IMDb movie reviews as final Capstone project, achieving 90% accuracy.

**Shaw Academy** | *Web Development*

[View Certificate](#)

- Completed intensive front-end development program focusing on HTML, CSS, and JavaScript fundamentals.
- Developed responsive e-commerce prototype for online grocery shopping, implementing pricing calculations and shopping cart functionality.

ACHIEVEMENTS

**Certificate of Honor | Viewit AI**

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- Awarded certificate of recognition by Viewit for invaluable contributions and significant impact in developing Dubai’s pioneering natural language **AI Virtual Real Estate Agent**.
- Acknowledged for dedication, hard work, and tenacity that made a substantial difference in the project.

**Youth AI Hackathon: Leaders for Tomorrow**

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Secured 1st place in Youth AI Hackathon, developing a unique solution to simulate first-round interviews with the employee’s portfolio.

**GitHub Contributions:** Maintained active GitHub portfolio with 700+ contributions.