HAMDAN MOHAMMAD

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EDUCATION

University of Bolton - RAK   80%
Bachelor of Engineering in Software Engineering   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, LangChain, & LangGraph to build complex AI agents and products for various use cases.
- Spearheaded development of voice assistants for logging inquiries and scheduling meetings using VAPI and Make.com
- Architected and deployed scalable backend APIs using FastAPI, handling 1000+ concurrent requests.
- Leveraged CI/CD pipelines and automated deployment via Docker 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 - May 2024 (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 :	FastAPI, Flask, Node.js, Express.js, React, Next.js, Tailwind CSS
Databases :	PostgreSQL, MySQL, MongoDB, Firebase, SQLAlchemy ORM
AI/ML Modules:	LangChain, LangGraph, Anthropic, DeepSeek, OpenAI, Tensorflow, Scikit-learn, Keras
Technology :	Linux, Git/GitHub, Docker, Amazon Web Services (AWS), Figma

PROJECTS

NeoAthena [Raen AI] | *FastAPI, AWS RDS, LangChain, Packaging*   Landing Page | PyPI | Docs
- Built the backend for the advanced document retrieval platform and SDK that simplifies uploading, managing, and querying documents.
- Implemented JWT & API Key authentication from scratch, utilising hashes, salts, rate limiting and RBAC.
- Managed GitHub PRs and conflicts in the codebase and directed code reviews within the development team, ensuring code quality and efficiency.

MyChatFolio | *Next.js, 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.

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   View LinkedIn Post
- 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   View LinkedIn Post
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 1000+ contributions.