Nazem M Sukhon

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SUMMARY

Stepping into the dynamic intersection of data science and artificial intelligence, with expertise in NLP and Generative AI. Applying cutting-edge techniques to enhance services and bridge technology with human language.

EDUCATION

University of Petra — Amman, Jordan
B.Sc in Data Science and Artificial Intelligence; GPA: 3.77 — *2020 – 2024*

Mälardalen University — Västeräs, Sweden
Computer Science, Erasmus+ ICM Program Scholarship — *2022 – 2023*

University of Petra — Amman, Jordan
B.Sc. in Pharmacy — *2015 – 2020*

EXPERIENCE

AI Engineer — July 2024 – Present
Taqneen Soft — *Amman, Jordan*

- Developed and implemented a Retrieval-Augmented Generation (RAG) system for enhanced information retrieval.
- Trained and deployed YOLOv11 models for real-time student action detection in educational settings.
- Built and managed an AI pipeline integrating speech emotion recognition, speech-to-text, and vision models for classroom analysis.
- Developed FastAPI and LiteServe applications enabling real-time student behavior analysis.
- Optimized Large Language Model (LLM) chains using LangChain and LangGraph for Q&A tasks.

AI Prompt Engineer — March 2024 – July 2024
MENADevs — *Amman, Jordan*

- Generated high-quality training data for LLMs with reinforcement learning feedback for software development, data analysis, and AI tasks.
- Reviewed and provided feedback on data quality, suggesting improvements.
- Onboarded team members and developed learning materials to enhance productivity.

.NET Fullstack Intern — July 2023 – December 2023
Just Development Company — *Amman, Jordan*

- Contributed to Blazor page development for client-side applications.
- Developed backend controllers and services, managing dependency configurations.
- Assisted with testing and creating test cases for functionality validation.

Pharmacy Intern — June 2022 – January 2023
Sama Al Marj Pharmacy — *Amman, Jordan*

- Provided pharmaceutical services and ensured proper medication management.

Pharmacy Intern — July 2020 – August 2020
Pharmacy One — *Jordan*

- Gained foundational experience in pharmacy operations.

PROJECTS

I-EPES | *YOLOv11, Wave2Vec, FastAPI, LiteServe, Python*   2024
- Developed a system to detect and analyze student actions in real-time using YOLOv11.
- Implemented speech emotion recognition for classroom behavior monitoring.
- Built RESTful APIs using FastAPI and LiteServe for integration with frontend applications.
- Achieved 95% accuracy in behavior detection through model optimization.

Document Intelligence RAG System Chatbot | *LangChain, Vector DB, Transformers*   2024
- Created a RAG system for document processing and intelligent query handling.
- Implemented vector embeddings for semantic search and efficient information retrieval.
- Integrated with LLMs for context-aware response generation and document summarization.

Finger Movement Classification Using EMG Sensor | *Python, Scikit-learn, Arduino*   2023
- Built a classification model to recognize finger movements based on EMG sensor data.
- Processed EMG signals and extracted features to improve classification accuracy.

TECHNICAL SKILLS

Programming Languages: Python, C#, SQL, HTML, JavaScript

Technologies: PyTorch, TensorFlow, OpenCV, FastAPI, LangChain, PowerBI, Tableau

Operating Systems: Linux, Windows

LANGUAGES

Arabic: Native

English: Fluent