

Hussien Farhat

Full Stack - AI Developer

Beirut, Lebanon

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EDUCATION

Al Maaref University, Beirut— *Bachelor's Degree in Computer Science*

September 2021 - February 2025

Technical Skills

- Strong proficiency in Python programming for data processing, automation, and application development
- Experience in web development with a focus on building dynamic and responsive applications
- Developed and deployed RESTful APIs using Flask for data-driven applications
- Applied machine learning techniques for prediction, classification, and data analysis tasks
- Performed web scraping using Python to extract, clean, and structure data from multiple sources
- Conducted advanced data analysis to generate actionable insights and support data-driven decision-making

EXPERIENCE

DgPad, Beirut— *Internship as Data Engineer*

July 2024 - September 2024

Conducted data scraping and sentiment analysis on content from the Al Mayadeen website, leveraging modern data engineering and NLP techniques. Utilized Python libraries such as BeautifulSoup for web scraping, Pandas for data manipulation, and Stanza for natural language processing—including sentiment analysis and named entity recognition, particularly in Arabic text. Developed backend

Profile

Gained practical experience in Python-based development with a strong emphasis on web scraping, data analysis, and automation. Proficient in Java and C++ with a solid foundation in object-oriented programming and software development methodologies. Actively developing skills in Artificial Intelligence and Machine Learning, including data preprocessing, model training, and applying ML techniques to real-world datasets and applications.

LANGUAGES

- Arabic: Native
- English: Fluent

Courses

- **Fakker AI | AI & Machine Learning Course** – Explored advanced AI techniques with a focus on practical applications, model deployment, and ethical AI practices.
- **OMT Certificate**

services using Flask and stored data in MongoDB via PyMongo. Built an interactive frontend dashboard using HTML, CSS, JavaScript, and amCharts to visualize trends and insights. Gained valuable experience in end-to-end data workflows, API integration, and version control with Git, enhancing both technical and analytical capabilities.

Downtown Cell, Downtown Beirut— *Sales*

February 2025 - Present

OMT, Mar Elies— *Manager*

September 2023 - February 2025

PROJECTS

Water Potability Prediction — *Machine Learning Project*

Built a machine learning model using k-Nearest Neighbors (KNN) to predict water portability based on chemical properties such as PH, solids, sulfate, and turbidity. Performed data preprocessing, including mean imputation for missing values and train-test splitting (80/20). Conducted model evaluation using different k values to optimize accuracy. The project demonstrated the application of AI in solving real-world health-related problems.

Pathwise— *Full-Stack Web Platform (PHP & MySQL)*

Developed PathWise, a full-stack web platform designed to streamline academic planning for university students. Utilized HTML, CSS, and JavaScript for frontend development, with PHP and MySQL powering the backend to ensure secure and efficient data handling. Enabled students to request personalized semester plans, rate and review courses, and participate in academic Q&A with peers. Integrated a senior advising feature where experienced students provide tailored course recommendations based on academic history. Implemented key functionalities such as an interactive dashboard, editable course history, plan comparison tools, and realtime notifications. Emphasized usability, data integrity, and user engagement to support informed academic decision-making.