Ammar Assi

ammar_2018@hotmail.com| (+972) 56-951-1569 | Linked-In: Ammar Assi | Github

Professional Experience

Full time - Software Developer   October 2023 - Present
@An-Najah University

- Conceptualized and developed custom web applications tailored to the unique needs of various university departments. These solutions resulted in increased operational efficiency and better support for academic and administrative activities.
- Led the development of a cutting-edge mobile application for the student portal, transforming the user interface to provide a seamless and engaging experience.
- Streamlined authentication, enhanced UI/UX with multilingual support, and integrated real-time notifications for students which led to increase in student satisfaction.
- Utilized React Native and Expo for cross-platform app development; managed back-end operations with Javalin for smooth server-side performance.

Freelancing - Computer Vision   June 2024 - August 2024
@eDentistAI

- Collaborated with a team to develop a dental health app that allows patients to take photos of their teeth, providing real-time diagnostics for conditions like cavities, cracks, and other related conditions.
- Led the development of a computer vision model for dental issue detection and integrated it with the app via APIs for seamless front-end communication.
- Preprocessed and cleaned a large dataset for training, achieving a 95% detection accuracy using YOLOv8, the most promising algorithm for the task.
- Enhanced the app by integrating it with a Large Language Model, providing user-friendly diagnostic feedback that improved user satisfaction.

Freelancing - Data Scientist   July 2024 - January 2024
@MeNow

- Worked on a project predicting the effects of cosmetic application on the skin, improving model accuracy from 0.60 to 0.80 using advanced machine learning and statistical technique.
- Conducted data analysis, feature engineering, and model optimization to ensure the model's reliability and robust performance

.

Graduation Project - Student
Visual Programming App for Auto-generating C++ and Python Code   February 2023 - June 2023
Developer – (source)

- Designed an intuitive interface enabling users to visually construct programs using predefined code blocks, which are then automatically converted into C++ and Python code.
- Developed a problem-solving section within the app, allowing users to test their solutions against auto-generated test cases for efficient code development.
- Integrated robust debugging features to help users identify and resolve code errors effectively.

Education

Bachelors of Science in Computer Science| An-Najah National University   September 2019 - June 2023

Skills

Python | Java | Javalin | FastAPI | Django |Computer Vision | React Native - Expo | API & RESTAPI |
ML & AI | Git & GitHub | Data Science | Pandas| SQL | DMS | Arabic-Native | English-Proficient