

Hassan Hamdan

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SUMMARY

Versatile and solutions-driven Software Engineer with a recent Bachelor's degree in Computer Science and a diverse portfolio across full-stack web development, mobile applications, and machine learning. Proven ability to build end-to-end applications using the MERN stack, Flutter, Python, and SQL. Highly adaptable and eager to apply strong problem-solving skills, database design expertise, and predictive modeling knowledge to impactful software development roles.

EXPERIENCE

Software Developer

2023 – Present

Full-Stack & Machine Learning Projects

Lebanon

- Designed and developed full-stack web applications using MERN stack, Python, PHP, and SQL
- Built RESTful APIs and integrated third-party APIs for real-time sports and financial data
- Applied machine learning models for predictive analytics and classification tasks
- Managed database design, backend logic, and responsive frontend interfaces

PROJECTS

FPL AI Analytics Platform | *MERN Stack, Flutter, REST APIs*

- Built a comprehensive Fantasy Premier League analytics engine capable of processing real-time data for over 600+ players
- Integrated the official FPL API to fetch live player statistics, fixtures, and performance metrics
- Designed an AI-based team rating system and engineered an "Expected Points" (xPts) calculator to optimize fantasy strategies
- Developed a seamless cross-platform mobile application version using Flutter

Premier League Match Predictor | *Python, Scikit-learn*

- Engineered a supervised learning model using Logistic Regression and Random Forests to successfully predict English Premier League match outcomes
- Performed comprehensive data preprocessing and feature engineering on historical sports data
- Built a web-based dashboard interface to visualize statistical insights and display match predictions

AI Gym Management System | *Python, PHP, MySQL*

- Constructed a complete gym management platform featuring an AI-driven workout recommendation engine tailored to user goals, muscle groups, and experience levels
- Modeled complex SQL relational databases to accurately track exercises, user progress, and training plans
- Built a secure authentication system, interactive dashboards, and dynamic workout scheduling features

Groceries Store App | *Flutter, Dart, Provider*

- Developed a premium cross-platform grocery shopping application featuring a dynamic product catalog and a minimalist, intuitive UI
- Implemented Provider for efficient state management, handling real-time cart updates and complex total calculations seamlessly

EDUCATION

Lebanese International University

Sept. 2021 – Feb. 2026

Bachelor of Science in Computer Science

Lebanon

- **Coursework:** Data Structures, Algorithms, Machine Learning, Databases, Operating Systems, Computer Networks, Artificial Intelligence
- **Networking Labs:** Router configuration, VLANs, SSH setup, and routing protocols using Cisco Packet Tracer

SKILLS & CERTIFICATIONS

Languages : Python, JavaScript, HTML, CSS, Dart, PHP, SQL, Java, C++

Frameworks & Libraries : MERN Stack (MongoDB, Express, React, Node.js), Flutter, Provider, Scikit-learn, TensorFlow

Tools & Technologies : Git, GitHub, Firebase, Postman, Relational Databases, Cisco Packet Tracer

Certifications : CCNAv7: Introduction to Networks (Cisco Networking Academy – Feb. 2024)

Spoken Languages : Arabic (Native), English (Fluent)