

Habib Harb, Full Stack Developer | Data Science & Machine Learning

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SUMMARY

Passionate Full-Stack Web Developer and Data Science enthusiast with hands-on experience in React.js, Laravel, MySQL, and Python-based machine learning. Skilled in building scalable web applications, designing RESTful APIs, optimizing databases, and developing data-driven models. Adept at preprocessing and analyzing datasets, creating insightful visualizations, and applying ML techniques to solve real-world problems. Excels in agile environments, troubleshooting complex issues, and continuously learning to stay ahead in both software development and data science technologies.

EXPERIENCE

Web Developer Intern | XpertBot

September 2024 – January 2025

- Actively participated in developing and maintaining web applications using Laravel for the backend and React.js for the frontend, ensuring high performance and user-friendly interfaces.
- Designed and implemented RESTful APIs in Laravel, enabling smooth and efficient data communication between frontend and backend systems, enhancing application functionality.
- Played a key role in optimizing MySQL database schemas, improving data retrieval speeds by 15% and enhancing overall application performance.
- Managed version control with Git, effectively collaborating with the development team, and contributed to troubleshooting and debugging, which led to a 10% reduction in application downtime.

Data Science Intern | XpertBot

February 2025 – July 2025

- Actively contributed to data preprocessing, cleaning, and transformation to prepare large datasets for machine learning workflows and business analysis.
- Implemented machine learning models using Python, including clustering, classification, and regression techniques, delivering insights that improved decision-making processes.
- Developed data visualizations and analytical dashboards using Matplotlib and Seaborn, enabling clear communication of trends and patterns to the technical team.
- Optimized feature engineering pipelines, improving model accuracy and reducing processing time by 20% through efficient data handling and algorithm tuning.
- Collaborated with developers and analysts using Git for version control, while documenting experiments in Jupyter Notebook to ensure reproducibility and smooth workflow integration.

PROJECTS

Full-Stack Real Estate Management System

June 2024 – August 2024

A complete real estate management platform enabling users to list, search, and manage property rentals and sales. Built with React for the frontend and Laravel for the backend, the system features property filtering, user authentication, admin dashboards, and automated email notifications. MySQL was used to manage structured property data with optimized queries for fast search results.

Technologies used: React.js, Laravel, MySQL, Tailwind CSS, RESTful APIs

Full-Stack Gym Products eCommerce Platform

January 2024 – March 2024

A full-stack eCommerce web application designed for selling gym supplements, equipment, and accessories. The platform includes product browsing, category filtering, secure user authentication, and a fully functional shopping cart. The admin panel allows product management, inventory updates, and order tracking. Built with React for a dynamic UI and Node.js for scalable backend logic, with MySQL handling structured product and order data.

Technologies used: React.js, Node.js, Express.js, MySQL, JWT Authentication, RESTful APIs, Tailwind CSS.

Machine Learning Customer Segmentation Project

February 2025 – July 2025

A data science and machine learning project focused on identifying customer purchasing patterns using clustering techniques. Performed data preprocessing, visualization, feature engineering, and applied K-Means and Hierarchical Clustering to segment customers effectively. Visualized insights using Python dashboards and delivered data-driven business recommendations.

Technologies used: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook

EDUCATION

Bachelor of Science in Computer Science | Al Maaref University (MU)

September 2022 – June 2026

Skills

Technical Skills

- **Backend:** ASP.NET, C#, Docker, MySQL, Laravel, PostgreSQL
- **Frontend:** React, Typescript, HTML5, CSS3, SCSS, Vue, Vuex, Angular, Angular Material, Bootstrap, Vuetify, Vanilla JavaScript
- **Data Science & ML:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook, Data Preprocessing, Feature Engineering, Data Visualization, Machine Learning Models (Clustering, Classification, Regression)
- **Other:** Vitest, Jest, Git, Clean Code Principles, Agile, Accessibility, Lazy-loading, Caching Mechanisms Soft Skills
- **Problem-solving,** Communication, Team collaboration, Adaptability, Attention to detail, Time management, Critical thinking, Creativity, Leadership, Continuous learning.

LANGUAGES

Arabic (native), **English** (upper-intermediate).