SAWSAN HANI MOHAMMAD

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EDUCATION

BACHELOR degree in Computer science   - Yarmouk University   **2020 - 2025**

Erasmus+ Exchange Program   **Sep 2023 - Feb 2024**
Hochschule Bonn-Rhein-Sieg , Germany
- Two Bachelar courses(Android Robotics Project, Design Thinking)
- Two Master's courses (AI, Advance software Technology)

EXPERIENCE

Software Engineer Fellow   **July 2024 - Aug2024**
Headstarter AI   Remote
- Collaborated with a team of fellows to design and compile AI applications using MVC design strategies
- received mentorship and networked with engineers from Amazon, Bloomberg , Capital One to gain insights on professional development

TECHNICAL SKILLS

- **Programming languages/tools:** Python, Java, C#, JavaScript, HTML, CSS, JSX
- **Frameworks/libraries**: ReactJS, node.js , Express.js
- **Skills/Tools**: REST API, Problem solving, Data Structures and Algorithms, Git/GitHub, VS code
- **Databases**: MySQL, MongoDB, Firebase

CERTIFICATE

HTUx | Full Stack Web Development
Udacity | Front-end development

PROJECTS

AURA Clothing E-Commerce Website | (Graduation Project - MERN Stack)
- Developed a full-stack e-commerce platform for Arabic clothing using the MERN stack (MongoDB, Express.js, React, Node.js).
- Designed and implemented a user-friendly UI/UX with a responsive React-based frontend.
- Integrated Stripe for secure online payments and order processing.
- Built a MongoDB-powered database to manage products, orders, and customer data efficiently.
- Developed an admin panel to manage products, users, and orders with full CRUD functionality.

Vector Robot | (Java & Android - Robotics Project) | during Erasmus+
- Developed a robotic control system where a connected smartphone controls the robot's movements and streams live camera feed.
- Utilized CameraX-master for real-time video processing and computer vision tasks.
- Implemented red ball detection using image processing techniques.
- Designed a mobile interface to send movement commands and display the robot's camera feed.

Inventory Management App | Next.js , React , CSS , Vercel
- Built a full-stack web application using Firebase for backend management and Next.js as frontend and developed via Vercel.