

Heba Hamdan

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SUMMARY

I'm a Computer Systems Engineer with a passion for web development and building practical, user-centered applications. I'm always eager to learn, grow, and contribute to meaningful projects. I value teamwork, clear communication, and continuous improvement, and I'm motivated to develop both personally and professionally.

EDUCATION

Palestine Technical University – Kadoorie

Bachelor of Computer Systems Engineering

Sep 2020 - Jun 2024

TRAINING EXPERIENCE

Knowledge Academy – Full-Stack Web Development Course

Dec 2022 - Dec 2023

Completed 200 hours of training in full-stack web development, covering HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB, and RESTful APIs. Developed a Movie & TV Show Website using React.js with authentication and API integration, and a Photographer Booking API using Node.js, Express.js, and MongoDB. **[GitHub Repository]**

PROJECTS

ECG Analyzer System Using AI - Graduation Project

GitHub Repository

- Developed a web application to predict heart diseases from ECG images with an accuracy of 94.84%.
- Led frontend development using React.js and implemented backend services with Node.js, integrating a TensorFlow/Keras machine learning model.
- Worked closely with my team to ensure smooth communication between the frontend and backend.

Draw Insight App

GitHub Repository

- Developed a web application to help parents monitor children's psychological health through drawing analysis.
- Built the frontend with React.js, allowing profile creation, drawing uploads, and insights visualization.
- Created secure backend services with Node.js, Express.js, and MongoDB for authentication and history tracking.
- Integrated a YOLOv8 model for emotional insight extraction, achieving 95.99% prediction accuracy.

E-commerce App

GitHub Repository

- Developed a responsive e-commerce platform using React (Vite + TypeScript) and Node.js (Express.js).
- Implemented authentication using React's Context API (AuthContext), cart management with Redux Toolkit, and API data fetching with RTK Query.
- Styled the application using Tailwind CSS and DaisyUI for a modern and consistent user experience.

SKILLS

- **Languages:** Arabic (Native), English (Professional Working Proficiency)
- **Programming Languages:** JavaScript, TypeScript, Python, C++, Java
- **Frameworks & Libraries:** React.js, Redux Toolkit, Next.js (Basic), Node.js, Express.js, Bootstrap, Tailwind CSS, Mongoose, Sequelize
- **Core Concepts:** OOP, Data Structures, Algorithms, RESTful APIs, Design Patterns, Responsive Design, Problem Solving
- **Tools & Technologies:** Git, GitHub, Postman
- **Databases:** SQL, MySQL, MongoDB
- **Soft Skills:** Effective communicator, open-minded, team-oriented, problem solver, dedicated to learning
- **Additional Knowledge:** HTML5, CSS3, SASS, SPA, security & performance fundamentals, version control