

Roaa Ahmed Shawky

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PROFILE

Front-End Developer passionate about building **responsive, accessible, and high-performance web applications** using **React.js, Next.js, Tailwind CSS, and Material UI**. Skilled in **UI/UX implementation, API integration, state management (Context API, React Query, Redux), performance optimization, and scalable component design**. Strong collaborator in **Agile/Scrum environments**, delivering **clean, reusable, and maintainable code**.

EDUCATION

BSc in Computer Science Engineering – University of Debrecen

Graduated – Jun 2025 | Hungary

- **GPA:** 4.57 / 5 (Excellent)
- **Courses taken:** Web Development, Software Engineering, Data Structures & Algorithms, Operating Systems, Computer Networks, Programming in C & Java, Microcontroller Systems, System Programming.

PROFESSIONAL EXPERIENCE

Web Development Intern – Lime Light Renhold (Remote, Oslo, Norway)

Oct 2024 – Dec 2024

- Developed **responsive, interactive web interfaces** using **React.js, JavaScript (ES6+), HTML5, CSS3, and Bootstrap**
- Built **CSS 3D flip cards** and **advanced UI animations** to enhance engagement
- Created **reusable components** and optimized **API endpoints for scalability and performance**
- Ensured **cross-browser compatibility, accessibility compliance, and web performance optimization (WPO)**
- Collaborated with team members in **Agile/Scrum** using **Git/GitHub** for version control
- Managed **front-end state** using **Context API** and **React Query**

SKILLS

- **Languages:** JavaScript (ES6+), TypeScript (basic), HTML5, CSS3, Java, Python, C, C#, SQL.
- **Frontend:** React.js, Next.js, Tailwind CSS, Material UI, Bootstrap, Responsive Web Design, Figma-to-Code, UI/UX, Three.js.
- **State Management:** Context API, Redux (basic), React Query
- **Backend:** Node.js, Express.js, REST APIs, JWT Authentication, Firebase.
- **Databases:** MongoDB, MySQL, OracleSQL (Basic)
- **Testing:** Jest, React Testing Library, Cypress.
- **Tools & Methodologies:** Git, GitHub, Postman, VS Code, Microsoft Azure, Agile (Scrum).
- **Cloud & DevOps:** AWS (basic), Microsoft Azure, CI/CD, Docker

PROJECTS

Thesis Project | 3D E-Commerce Web App (MERN Stack) Furniture

Sep 2024 – May 2025

- Built and deployed a **full-stack e-commerce platform** with **3D product visualization using Three.js and React**
- Developed **RESTful APIs** with **Node.js and Express.js**, integrated **MongoDB**, implemented **JWT authentication** and **secure payment validation**
- Designed **scalable UI components**, applied **integration testing**, and optimized **performance and responsiveness**

Sneakers E-Commerce Website

Aug 2025 – Sep 2025

- Developed a React-based e-commerce application with Firebase Authentication for login/signup.
- Designed user-centric UI applying mobile-first principles and optimized rendering performance.

Notes Web Application

Jul 2025 – Aug 2025

- Created a full-stack CRUD-based note-taking app using React, Node.js, and MongoDB.
- Implemented form validation, error handling, and responsive design for seamless user experience.

Chat Application (C#) 📄

Apr 2023

- Developed a real-time client-server chat app using multithreading and TCP sockets.
- Demonstrated proficiency in network programming and concurrency handling.

CERTIFICATES

Microsoft Certified: Azure Data Fundamentals 📄

The Complete 2024 Web Development Bootcamp (Udemy) 📄

Machine Learning (DeepLearning.AI and Stanford University) 📄