Mohab Mohamed *Frontend Developer*

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🪪 OBJECTIVE

Dynamic Frontend Developer with expertise in React.js, Vue.js, HTML, CSS, and JavaScript, complemented by Tailwind CSS. Experienced instructor in Arduino, AI Scratch, C programming, Python, and machine learning. Seeking to leverage my technical skills and teaching experience to create user- friendly web applications while mentoring aspiring developers in modern programming techniques.

🎓 EDUCATION

Faculty Of Engineering, Mechatronics Department   2019 – 2024

💼 EXPERIENCE

Frontend
- Developed and maintained responsive web applications using HTML, CSS, and JavaScript, enhancing user experience and accessibility. Strong Experience in Vue js
- Leveraged Vue.js to create dynamic user interfaces, implementing component-based architecture to streamline development processes. Experience in Tailwind CSS
- Utilized React.js and Redux for state management, improving application performance and scalability through efficient data handling.
- Designed and implemented custom styles using Tailwind CSS, ensuring a modern and clean aesthetic across all platforms.

Instructor   2024 – Present
- Teach courses in Arduino, AI, Machine Learning, Computer Vision, Scratch, Python, and C Programming, fostering a deep understanding of programming concepts among students. Conducted statistical tests for decision support
- Mentor students in practical applications of technology, encouraging innovative thinking and problem- solving skills.

Frontend developer   2025 – Present
- Building dynamic and scalable web applications with Vue 3, TypeScript, and SCSS, ensuring maintainable code and pixel-perfect UI implementations.
- Collaborating with UX/UI designers to translate wireframes into responsive, interactive interfaces using Vue.js, TypeScript for type safety, and SCSS for modular styling

Trainee
NTI Embedded Systems
- Completed a -month intensive training program in embedded systems. Mentor students in practical applications of technology, encouraging innovative thinking and problem-solving skills.
- Gained hands-on experience in microcontroller programming and hardware-software integration.

🧠 SKILLS & ABILITIES

Frontend
- HTML, CSS, JavaScript
- Tailwind CSS
- React.js
- Vue.js
- Redux
- typescript
- SCSS
- Git
- Nuxt js

Embedded Systems
- C programming
- Microcontroller Interfacing
- AVR - ARM
- Raspberry pi
- Computer Architecture
- Software Engineering

Additional Skills
- Python
- Machine Learning
- Computer Vision
- Teaching

📁 PROJECTS

Orbit System 🔗

Engineering Company Management System (Dashboard + Website)
A complete web-based system designed for engineering companies to manage projects, clients, reservations, and financial operations from a centralized dashboard. The platform supports full project lifecycle management, allowing each project to go through multiple statuses including: *Under Study*, *Waiting*, *Approved*, or *Not Accepted*. It is optimized for large-scale engineering projects with high complexity.

The **dashboard** provides internal teams with tools to:
- Control and track reservations
- Manage client data and project details
- Handle all payments and invoices
- Monitor project progress and status updates in real-time

The **public-facing website** allows clients to:
- Explore company services and projects
- Submit project requests or reservations
- Receive updates and stay connected

Built to support scalability and efficiency, this system ensures streamlined operations, better client engagement, and complete visibility into engineering workflows.

Education System 🔗
Educational Platform System (Website + Dashboard)
A modern educational system designed to deliver and manage online learning through an interactive **website** and a powerful **admin dashboard**.

Website Features:
- Full course catalog with rich content (documents, video lectures, and audio recordings)
- Secure and flexible payment integration supporting all major methods
- AI-powered chatbot for real-time support and guidance
- Clean and responsive user interface for easy course discovery and enrollment

Admin Dashboard Features:
- Full control over website content (Home, About Us, Contact pages)
- Course management: create, update, or remove courses and manage course materials
- Track user registrations, payments, and course progress
- Analytics and insights into platform performance

This system ensures a seamless learning experience for students while giving administrators complete control over educational content and platform operations.

Alkhalil Traveling Website 🔗
Travel & Reservation Management System (Website + Dashboard)

A comprehensive travel booking platform designed to manage **airline reservations, hotel bookings, room management, and payments** in one integrated system. The project provides both a **public-facing website for travelers** and a **dashboard for administrators and travel agencies** to streamline operations.

Website Features:
 • Flight booking system with live schedules, ticket pricing, and seat availability
 • Hotel search and reservation with detailed room listings and amenities
 • Secure online payments supporting multiple methods (credit card, PayPal, etc.)
 • User-friendly interface with advanced search filters for flights and hotels
 • Booking history and e-ticket generation for travelers
 • Responsive design ensuring smooth experience across all devices

Admin Dashboard Features:
 • Manage airlines, flight schedules, and ticket pricing
 • Full control over hotel listings, room categories, and availability
 • Handle user bookings, cancellations, and modifications
 • Track and manage payments, invoices, and refunds
 • Real-time reporting on reservations, revenue, and customer activity

This system provides **end-to-end digital travel management**, helping both users and administrators achieve **efficient bookings, transparent payments, and improved travel planning.**