

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 3-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**.

HSE Safety Platform

HSE Safety Website (Website + Dashboard)

A modern Health, Safety & Environment (HSE) platform designed to promote human safety awareness and provide petroleum industry-related services through an interactive website and an intuitive admin dashboard.

Website Features:

- Comprehensive safety information and awareness resources
- Pricing plans and detailed service descriptions
- Secure and flexible payment integration supporting multiple methods
- Clean, responsive, and user-friendly interface for easy navigation and accessibility

Admin Dashboard Features:

- Full control over website content (Home, Services, Pricing, Contact pages)
- Manage pricing plans, payment methods, and client subscriptions
- Track user registrations, payments, and service usage
- Analytics and insights into platform engagement and performance

Studio Booking Platform

Location & Studio Booking System (Website + Dashboard)

A modern platform designed to help users discover, compare, and book studios and creative spaces through a responsive website and a powerful admin dashboard.

Website Features:

- Full catalog of studios with detailed descriptions, photos, and pricing
- Advanced search and filtering by location, size, and amenities
- Secure online booking and payment integration supporting multiple methods
- Responsive and user-friendly interface for seamless browsing and booking

Admin Dashboard Features:

- Complete control over studio listings (create, update, or remove locations)
- Manage bookings, availability, and pricing plans
- Track payments, reservations, and customer activity
- Analytics and insights into studio usage and platform performance