

Momen Hesham Elsayed Mohamed

Software Engineering

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Profile

I am Software Engineer , Proficiency in languages like JavaScript ,Python, Strong analytical and problem-solving skills, with the ability to design efficient and scalable solutions, Familiarity with web technologies, frameworks

Skills

Hypertext Markup Language

Cascading Style Sheets

Bootstrap

Tailwind

JavaScript

TypeScript

Database (MongoDB)

Nodejs

React

Next

React Native

Express

Software Testing

Git & GitHub

Professional Experience

Ecomate (Sustainable Waste Management Solution)

09/2023 – present | Dakahlia, Egypt

Front End

My graduation project, Ecomate's Sustainable Waste Management Solution. Our smart bins, equipped with IoT-enabled sensors and computer vision technology, monitor waste levels in real-time and classify recyclable materials into four categories: plastic, paper, metal, and glass. Users can dispose of waste using a mobile app by scanning QR codes or using an email in offline mode. The app also rewards users with points and bonuses that can be redeemed for gifts.

Projects

Ecomate Website	01/2024 – present
<ul style="list-style-type: none">Technologies Used: React, JavaScript, Tailwind CSS, React Router DOM, Axios, Vite, Zustand, Framer Motion.	
<ul style="list-style-type: none">Key Contributions:<ul style="list-style-type: none">- Developed a dynamic and responsive web application using React and JavaScript.- Implemented Tailwind CSS for efficient and responsive styling.- Managed routing with React Router DOM for seamless navigation.- Utilized Axios for API interactions and data fetching.- Leveraged Vite for fast development and optimized builds.- Employed Zustand for scalable state management.- Added interactive animations with Framer Motion.	
<ul style="list-style-type: none">Process Highlights:<ul style="list-style-type: none">- Configured the project with Vite and set up essential dependencies.- Built reusable components and ensured responsive design.- Conducted thorough testing and performance optimization.- Deployed the application, ensuring seamless integration and continuous delivery.	
Ecomate Admin Dashboard	03/2024 – present
<ul style="list-style-type: none">Technologies Used: React, JavaScript, Material UI, FullCalendar, Nivo, Axios, React Router DOM, React Hook Forms, React Toastify, Zustand.	
<ul style="list-style-type: none">Key Contributions:<ul style="list-style-type: none">- Developed a dynamic and interactive dashboard using React and JavaScript.- Utilized Material UI for consistent and responsive UI components.- Integrated FullCalendar for robust calendar functionality.- Implemented Nivo for interactive and visually appealing data visualizations.- Employed Axios for efficient data fetching and API interactions.- Managed routing with React Router DOM for seamless navigation.- Utilized React Hook Forms for efficient form handling and validation.- Incorporated React Toastify for user-friendly notifications.- Managed state using Zustand for scalable state management.	
<ul style="list-style-type: none">Process Highlights:<ul style="list-style-type: none">- Configured the project setup and integrated essential dependencies.- Built reusable components and ensured a responsive design with Material UI.- Developed calendar and data visualization features using FullCalendar and Nivo.- Implemented form handling and validation with React Hook Forms.- Conducted thorough testing and performance optimization.- Deployed the dashboard, ensuring seamless integration and continuous delivery.	
MERN Stack Project (Website Notes)	02/2024 – 02/2024
<ul style="list-style-type: none">Technologies Used:<ul style="list-style-type: none">- Front End: React, Vite, JavaScript, Axios, React Router DOM, React Toastify, Tailwind CSS.- Back End: Node.js, Express, MongoDB, bcrypt, JWT, Mongoose, Validator, Morgan, dotenv, CORS.	
<ul style="list-style-type: none">Key Contributions:<ul style="list-style-type: none">- Built a dynamic and responsive front end using React and Vite, styled with Tailwind CSS.	

- Managed routing with React Router DOM and handled data fetching with Axios.
- Incorporated React Toastify for notifications and built a robust back end with Node.js and Express.
- Implemented secure user authentication using bcrypt and JWT.
- Managed MongoDB with Mongoose, validated data with Validator, and logged requests with Morgan.
- Configured environment variables with dotenv and handled cross-origin requests with CORS.

- **Process Highlights:**

- Set up and optimized the project with Vite.
- Developed reusable components, ensuring responsive design.
- Implemented user authentication, input validation, and data management.
- Conducted thorough testing and performance optimization.
- Deployed the application, ensuring seamless integration and continuous delivery.

Courses

Full Stack (HTMLCSS-JavaScript-JQuery) (PHP-My SQL) 07/2023 – 11/2023 | Dakahlia, Egypt
Consultation Center Of Computers & Information System

Front End (HTML-CSS-Bootstrap-JS- React JS) 07/2022 – 10/2022 | Dakahlia, Egypt
Consultation Center Of Computers & Information System

Education

Faculty of Computer and Information Sciences 10/2020 – present | Mansoura, Egypt

Courses

- Operating Systems -Computer Networks
- Distributed Systems -Software Design & Architecture-Software -Testing&Quality Assurance -
- Embedded System Software Design

Soft Skills

Problem-solving	Communication
Creative thinking	Teamwork
Time management	Negotiation

Languages

- Arabic (Native)
- English (B1)