MADHUMETHA B I

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Github-Madhu-metha   Portfolio-Madhumetha

SUMMARY

Enthusiastic MERN Stack Developer experienced in developing interactive and scalable web applications using React.js for front-end development and Node.js / Express.js for back-end services. Skilled in managing MongoDB databases, building RESTful APIs and performing efficient CRUD operations. Committed to creating responsive user interfaces and delivering optimized, maintainable code for seamless web experiences.

TECHNICAL SKILLS

- **Programming Languages :** Python, JavaScript (ES6+), TypeScript
- **Web Technologies :** HTML5, CSS
- **Frameworks / Libraries :** React.js, Next.js
- **Styling Frameworks :** Tailwind CSS, Material UI
- **Back - end :** Node.js, Express.js
- **State Management :** Redux, useState, useContext
- **Data Fetching :** React Query
- **API & Data Handling :** RESTful APIs, Axios, JSON
- **Routing :** React Router DOM
- **Tools :** VS Code, Postman, Vercel, Chrome DevTools, NPM
- **Database :** SQL, MongoDB
- **Version Control :** Git, GitHub
- **AI Platform :** n8n

EDUCATION

Bachelor's of Engineering (B.E) in Computer Science and Engineering   **2021 - 2025**

IFET College of Engineering

CGPA : 8.04

CERTIFICATIONS

MERN Stack Development Course   **AiiTE Academy**

- Completed hands-on training in MongoDB, Express.js, React.js using JavaScript & TypeScript and Node.js
- Built full-stack applications with CRUD operations, REST API development, authentication, deployment and gained practical experience in frontend and backend integration.

PROJECTS

Aurena – Fashion E-Commerce Web Application   **Github Repo**

- **Domain :** React + TypeScript
- Developed a complete fashion e-commerce web application using React hooks & Context API.
- Integrated Node.js / Express REST APIs with Axios, secured the app using JWT authentication-based login / signup.
- Implemented features like product listing and a dynamic cart system with real-time updates.
- Designed a fully responsive UI using Tailwind CSS, ensuring smooth UX across devices.
- **Technologies :** React.js, TypeScript, Node.js, Express, MongoDB, Tailwind CSS, Axios, JWT, Material UI

Backend CRUD API Development with Node.js, Express.js and MongoDB   **Github Repo**

- **Domain :** Node.js + React
- Developed a RESTful API using Node.js, Express.js and TypeScript to perform CRUD operations.
- Integrated MongoDB Atlas for efficient data storage, retrieval and tested APIs using Postman
- Created modular and structured API endpoints with proper error handling and validation.
- **Technologies :** Node.js, Express.js, React.js, TypeScript, MongoDB, Axios

Smart AI Chat Automation Platform (Google Gemini + n8n + React)   **Github Repo**

- **Domain :** n8n+ React
- Developed an AI-driven workflow system using n8n to process user queries through automated nodes, webhooks and integration with Google Gemini API.
- Designed and connected RESTful webhook endpoints in n8n for real-time request handling, AI response generation and seamless communication with the React front-end.
- Integrated the workflow with a React-based chat interface, enabling real-time messaging and AI-driven interactions.
- **Technologies:** n8n, React.js, TypeScript, Google Gemini API, Webhooks, REST API, Workflow Automation.