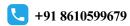
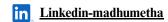
# **MADHUMETHA B I**









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.