

MADHUMETHA B I

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<https://github.com/Madhu-metha>

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. Adept at utilizing modern JavaScript (ES6+) features and version control with Git/GitHub. Committed to creating responsive user interfaces and delivering optimized, maintainable code for seamless web experiences.

TECHNICAL SKILLS

- **Programming Languages :** 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, Microservices Architecture
- **API & Data Handling :** RESTful APIs, Axios, Middleware Development
- **State Management :** Redux, useState, useContext
- **Routing :** React Router DOM
- **Data Fetching :** React Query
- **Authentication :** JWT Authentication
- **Tools :** VS Code, Postman, Vercel
- **SD Fundamentals :** OOPs, MVC Pattern, System Design Basics, Agile Development
- **Database :** SQL, MongoDB
- **Version Control :** Git, GitHub

EDUCATION

Bachelor's of Engineering (B.E) in Computer Science and Engineering

2021 - 2025

IFET College of Engineering

CGPA : 8.04

CERTIFICATIONS

AiiTE Academy :

- MERN Stack Development Course

WIPRO :

- Java Full Stack

CISCO Certifications :

- Essential in Python programming 1 , 2
- Introduction to JavaScript Essentials

PROJECTS

CRUD Application

- **Domain :** React + TypeScript
- Built a complete CRUD web application using React hooks and state management.
- Integrated REST APIs with Axios and implemented routing using React Router.
- Styled with Tailwind CSS and Material UI, deployed on Vercel.
- **Technologies :** React.js, TypeScript, Tailwind CSS, Material UI, Axios, Vercel

GitHub : <https://github.com/Madhu-metha/crud.git>

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

- **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

GitHub : https://github.com/Madhu-metha/node_js-API.git