Madan Kumar T
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Skills

Languages: C, C++, Python, JavaScript, Java (Basic), SQL
Tech Stack: React.js, Node.js, Express.js, MongoDB, MySQL, SQLite, HTML, CSS, Bootstrap
Tools: Git, GitHub, Postman
Cloud & Networking: AWS (Basic), IoT (Course), WebRTC, Socket.IO

Projects

Alpha GPT - Conversational AI Web Application inspired by ChatGPT – MERN, OpenAI API, Node.js [GitHub] [Live]

- Designed a responsive AI chat interface mimicking ChatGPT functionality using React, Express, and OpenAI's Generative API. Integrated secure user authentication (JWT) and session persistence.

- Achieved 95% feature parity with ChatGPT, supporting multi-turn memory, prompt streaming, and user data storage in MongoDB.

Zomex - Video Meeting Platform inspired by Zoom– MERN, WebRTC, Socket.IO [GitHub] [Live]

- Engineered a real-time video conferencing platform supporting chat, room URLs, and peer-to-peer calls.

- Minimized latency to <2 seconds and scaled rooms to handle 2+ participants smoothly.

ZTrade - Stock Trading Web Platform inspired by Zerodha – React, Node.js, Express, MongoDB, Chart.js [GitHub] [Live]

- Built a full-stack trading interface inspired by Zerodha, including landing page, authentication flow, order placement, and portfolio dashboard.

- Integrated user session tracking, and RESTful API for positions, holdings, and order book. Achieved seamless UI/UX with responsive design, codebase split into three cleanly managed modules (Frontend, Backend, Dashboard).

MyBnb - Rental Listing Platform inspired by Airbnb – Node.js, Express, MongoDB [GitHub] [Live]

- Created MyBnB, a secure property listing platform with authentication, CRUD support, and file uploads.

- MVC-based backend handled 100+ operations/day with persistent session management.

Galaxy Classification System – Python, Django, ML, SQLite

- Trained an ML model (87% accuracy) to classify celestial objects from a 70,000+ row dataset.

- Deployed end-to-end classification workflow inside a Django web app.

Experience

Web Development Intern – *Karunadu Technologies, Bengaluru*   *May 2024 – Jul 2024*

- Developed REST APIs and backend logic for 3 education-related web apps.

- Participated in 6+ agile sprints; resolved 25+ bugs across web applications.

Certifications

- **AWS Basics** – EC2, IAM, S3, VPC, Lambda

- **IoT Fundamentals** – Sensors, UART, Microcontrollers

Education

- **Bachelor of Computer Applications (BCA)**
  R R Institute of Management Studies, Bengaluru
  Graduation: June 2025 | CGPA: 8.0