KIRTI YADAV

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SUMMARY

Driven MCA student with a solid understanding of HTML5, CSS3, and Core JavaScript. Practical knowledge of backend development with Node.js and third-party API integration. Eager to use my knowledge of Web Programming in a developer role.

TECHNICAL SKILLS

Languages: JavaScript, Python
Frontend: HTML, CSS, React
Backend: Node.js, Express
Databases: MongoDB, MySQL
Tools: VS Code, Git, GitHub, Power BI

PROJECTS

MausamMate – AI-Powered Weather([Live](#))

(React.js • Node.js • Google Gemini API)
- Built a weather-safety PWA using **OpenMeteo, USGS, and LocationIQ** (40+ parameters).
- Created a **context-aware AI chatbot** using Google Gemini 2.0 Flash and a **Node.js** backend. It features dynamic prompt injection, which improves safety response speed by about 30%.
- Created robust **Express.js** middleware for reverse geocoding (GPS/IP fallback), rate limiting, and secure env-var handling, reducing failed lookups by **40%**.

EV Charging Station API([Github](#))

(Node.js • Express.js • MongoDB • JWT)
- Designed a secure **RESTful API** with **Node.js** and **Express.js** to handle electric vehicle charging station data, enabling full CRUD operations for authorised users.
- Implemented strong production security using **Helmet (HTTP headers)**, **rate limiting**, and **strict CORS** policies.
- **Designed scalable MongoDB schemas** using **Mongoose** to efficiently store user credentials and station metadata efficiently, ensuring data integrity with strict type validation and required fields.

EDUCATION

MCA | Thakur Institute of Management Studies, Career Development & Research, Mumbai
2024 – 2026 | (Pursuing)

B.Sc. (Information Technology) – Thakur College of Science & Commerce, Mumbai
2021 – 2024 | CGPA: 6.72

CERTIFICATES

- Content Creation & Curation – HomeFlic Wegrow
- Web Development with JS - Udemy
- Python Programming – Great Learning