KUSHAGRA SINGH NEGI

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Technical Skills

Languages & Frameworks: **HTML**, **CSS**, **JavaScript**, **TypeScript**, **ReactJS**, NodeJS, ExpressJS, **Redux**, **Zustand**, **Socket.io**

Backend & Databases: MongoDB, Mongoose, MySQL (basic), PostgreSQL (basic), **JWT Authentication**, **RESTful APIs**

Tools & Platforms: **Git**, **GitHub**, Docker, Linux, **Vite**, **Material UI**, **Tailwind CSS**, **WebSocket**

Cloud & DevOps: AWS (beginner), **CI/CD Pipelines (basic)**, DevOps Fundamentals

Other: **Cross-platform Responsiveness**, **OpenAI API**, **Web Security Practices**

Education

Vellore Institute of Technology, Bhopal	**Aug 2023 – Jun 2025**
Master of Computer Applications - ***9.03 CGPA***	*Bhopal, Madhya Pradesh*
JECRC University	**Jul 2019 – Jun 2022**
Bachelor of Computer Applications - ***8.20 CGPA***	*Jaipur, Rajasthan*

Academic Projects

Linkify | *Real-Time Chat Application (MERN + Socket.io)*   **GitHub**

- **Boosted UI performance by 35%** by reducing **render cycles** using **Zustand** for **global state management**.
- **Implemented real-time messaging** with **Socket.io,** supporting **500+ users** with **sub-100ms latency.**
- **Designed a fully responsive UI** using **Tailwind CSS, DaisyUI** improving **device compatibility** and **user experience**.
- **Automated deployment workflows** with **CI/CD pipelines**, decreasing **deployment time by 60%**.

AI SaaS Chat Bot | MERN, OpenAI, JWT, Material UI, Vite   **GitHub**

- **Integrated OpenAI API** with **JWT-based authentication** to deliver accurate, secure, and context-aware responses.
- **Applied HTTP-only cookies** and **schema validation,** blocking **95%+ unauthenticated access attempts.**
- **Optimized frontend performance** using **Vite** and **code splitting** in **Material UI,** achieving **40% faster load times.**
- **Structured** and **Indexed MongoDB** chat data**, enabling up to 2× faster retrieval** under high-load conditions.

Experience

Tenshi IT Solutions	**Dec 2024 – Apr 25**

Frontend Developer Intern

- Engineered **scalable interfaces** using **React.js**, **Tailwind CSS**, and **Zustand**, improving load responsiveness by **30%**.
- Set up **secure auth flows** with **JWT** and developed **reusable components**, cutting **code redundancy** by **25%**.
- Participated in **sprints**, executed **test plans**, and assisted in **CI/CD deployments**, reducing release bugs by **20%**.
- Tech Stack: React, Node.js, Express.js, MongoDB, Zustand, GitHub Actions

Acmegrade Private Limited	**Nov 2023 – Jan 24**

Full Stack Web Developer Training Intern

- Built **RESTful APIs** and modular **React components** in an **Agile team**, supporting app scalability across **3 modules**.
- Increased **feature rollout speed by 20%** through **optimized endpoints** and improved **async logic** in **Express.js**.
- Minimized **UI bugs by 30%** by applying **atomic design principles** and enhancing **component reusability**.
- Tech Stack: React, Node.js, Express.js, MongoDB, GitHub Actions, Docker

Grras Solutions Pvt. Ltd.	**Jan 2022 – Jun 22**

Python Web Developer Intern

- **Created robust APIs** using **Django** and **PostgreSQL** for dynamic, data-driven applications.
- Achieved **30% faster query execution** through **indexing** and **caching** on high-load database endpoints.
- **Designed interactive CRUD features,** improving **report generation** and client-facing **usability.**
- Tech Stack: Python, Django, PostgreSQL, RESTful APIs

Additional Information

Achievements: Placed 2nd in IDEATHON out of 25+ teams by presenting a full-stack solution in 24 hours.

Courses: Web Development Bootcamp (Udemy), 100x devs Cohort

Certifications: SQL (Hacker Rank)