

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

Master of Computer Applications - **9.03 CGPA**

Aug 2023 – Jun 2025

Bhopal, Madhya Pradesh

JECRC University

Bachelor of Computer Applications - **8.20 CGPA**

Jul 2019 – Jun 2022

Jaipur, Rajasthan

Academic Projects

[Linkify](#) | Real-Time Chat Application (MERN + Socket.io)

[GitHub](#)

- Improved **UI performance** by reducing unnecessary render cycles using **Zustand** for global state management.
- Developed **real-time messaging** with **Socket.io**, supporting concurrent users with low-latency communication.
- Designed a fully **responsive interface** using **Tailwind CSS** and **DaisyUI**, enhancing usability across devices.
- Automated **deployment workflows** with **CI/CD pipelines**, improving development speed and reducing manual effort.

[AI SaaS Chat Bot](#) | MERN, OpenAI, JWT, Material UI, Vite

[GitHub](#)

- Integrated the **OpenAI API** with **JWT-based authentication** to deliver accurate and context-aware responses.
- Implemented **HTTP-only cookies** and **schema validation** to block unauthenticated access.
- Improved **frontend performance** using **Vite** and optimized **Material UI** with **code splitting** techniques.
- Structured and indexed chat data in **MongoDB** to enable faster retrieval and better scalability.

Experience

Tenshi IT Solutions

Dec 2024 – Apr 25

Frontend Developer Intern

- Built dynamic and responsive user interfaces using **React.js**, **Tailwind CSS**, and **Zustand** for scalable web apps.
- Implemented **JWT-based auth flows** and reusable components to enhance security and code maintainability.
- Collaborated on **Agile sprints**, contributed to **UI testing**, and supported **CI/CD deployment** of frontend features.
- Tech Stack: React, Node.js, Express.js, MongoDB, Zustand, GitHub Actions

Acmegrade Private Limited

Nov 2023 – Jan 24

Full Stack Web Developer Training Intern

- Collaborated in an **Agile team** to build **RESTful APIs** and **modular React components** for scalable web apps.
- Enhanced **feature rollout** by 20% through optimized **Express.js endpoints** and **asynchronous workflows**.
- Reduced **UI bugs** by 30% by implementing **reusable components** using **atomic design principles**.
- Tech Stack: React, Node.js, Express.js, MongoDB, GitHub Actions, Docker

Grras Solutions Pvt. Ltd.

Jan 2022 – Jun 22

Python Web Developer Intern

- Built robust **backend services** and **REST APIs** using **Django** and **PostgreSQL** for **data-driven web applications**.
- Boosted **query performance** by 30% using **indexing** and **caching strategies** for high-traffic endpoints.
- Delivered interactive **CRUD modules** to improve **dashboard usability** and **client reporting efficiency**.
- 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)