Vansh Tyagi

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EDUCATION

2023 - present	B.Tech(IT) at **JSS Academy of Technical Education,Noida**	8.18/10 SGPA
2022-2023	Intermediate at **SPM SVM Inter College, Sharanpur**	76.4%

PROJECTS

Kawach: Kawach

1. Developed a secure document management and sharing system using the MERN stack, ensuring robust privacy and data protection.
2. Implemented end-to-end encryption for document storage, with secure file uploads to Cloudinary, guaranteeing data confidentiality.
3. Integrated a one-time QR code feature for safe document sharing, allowing users to share files securely for printing without compromising privacy.
4. Automated the deletion of files from Cloudinary post-printing, ensuring complete data removal and leaving no trace behind.
5. Utilized MongoDB Atlas to handle scalable, high-performance database management, optimizing for speed and reliability.
6. Prioritized user privacy by preventing unauthorized access or misuse of private data, ensuring the security of sensitive information.

Uber Clone: Uber Clone

1. Built a MERN-based ride-booking platform with a user-friendly interface, allowing seamless ride requests and management. Designed a smooth and responsive UI for better usability.
2. Integrated Google Maps API for live location tracking and real-time route optimization, improving ride efficiency. Ensured accurate fare estimation based on distance and time.
3. Implemented secure authentication using JWT, enabling role-based access for riders and drivers while ensuring data protection. Encrypted sensitive user information for enhanced security.
4. Developed an automated ride-matching system that connects passengers with nearby drivers efficiently. Optimized backend performance for fast booking and ride assignment.

Promptly: Promptly

1. Engineered **Promptly**, a sophisticated AI-powered prompt management platform using **MERN Stack (MongoDB, Express, React, Node.js)** and **Tailwind CSS**. Integrated Google's Gemini AI API to generate dynamic and contextual responses for enhanced user interaction. Implemented real-time prompt generation with WebSocket for seamless user experience.
2. Developed a robust **authentication system** with JWT tokens and secure session management. Created a scalable backend architecture with modular services and RESTful API endpoints. Implemented proper error handling and validation for enhanced reliability and security.
3. Designed an intuitive **prompt management interface** with features like history tracking and response organization. Built a responsive and modern UI with Tailwind CSS for optimal user experience across devices. Integrated Redis caching for improved performance and reduced API latency.

SKILLS

Languages :	C++, C, JavaScript, Java, HTML, CSS, Tailwind CSS
Frontend Tools:	React.js, GSAP, Locomotive Scroll, Lenis, Swiper.js, Bootstrap
Backend Tools:	Node.js, Express.js, MongoDB, Redis (DB), RESTful APIs, Socket.io, WebRTC, Cloudinary
Tools :	Git/GitHub, VSCode, Vercel, Render, Postman
Other Skills :	DSA (Data Structures and Algorithms)

ACHIEVEMENTS

1. Participated in **five hackathons**, showcasing strong problem-solving and teamwork skills.
2. Secured **3rd rank** in the **Convergex Hackathon** for building a secure document-sharing app.
3. Solved **300+ LeetCode questions**, demonstrating strong problem-solving and DSA skills.