Kamal Singh Koranga

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SUMMARY

Results driven software developer specializing in full stack web development using React Native , Node.js and MongoDB. Expertise in creating scalable , high-performance web applications with a focus on user experience , backend efficiency and API integration .

EDUCATION

Graphic Era Hill University   August 2021 – 2024
Bachelor of Computer Application   *Dehradun, India*

Graphic Era Deeemed University   August 2024 – Present
Master of Computer Application   *Dehradun, India*

PROJECTS

Collaboard | *React, JavaScript (ES6+), Material-UI, Socket.IO, Node.js, Express.js, RESTful API, Mongoose*
- Developed a full-stack, real-time collaborative whiteboard application enabling multiple users to join sessions and draw simultaneously.
- Implemented the core **real-time** drawing functionality using **Socket.IO**, enabling instant data synchronization and a seamless collaborative experience for all users in a session.
- Engineered a secure authentication system with role-based access control (Admin vs. User), utilizing **JSON Web Tokens (JWT)** for stateless session management and **bcrypt** for robust password hashing.
- Developed an intuitive user interface with **Material-UI** and managed complex application state across components using React Hooks and Context API for a smooth user experience.

NoDues| *React, JavaScript (ES6+), Material-UI, Node.js, Express.js, RESTful API, Mongoose*
- Streamlined university clearance process by digitizing manual no-dues requests, reducing processing time from hours to minutes.
- Architected scalable backend services using Express.js with middleware for authentication, authorization, rate limiting, and CORS configuration.
- Integrated PDF generation functionality using PDFKit library, creating professional certificates with department clearances, digital signatures, and automated document formatting.
- Designed responsive React frontend with Material-UI components, implementing protected routes, context-based state management, and real-time form validation.

NotesApp | *React, JavaScript ES6+, CSS3, Web Speech API, Git, Vercel*
- Developed a feature-rich notes app with voice-to-text, real-time auto-save, and intelligent categorization
- Implemented Web Speech API integration achieving 95%+ voice recognition accuracy
- Created responsive UI with CSS Grid and smooth animations for enhanced UX
- Integrated third-party APIs and built custom sorting/filtering algorithms

TECHNICAL SKILLS

Languages: C++, SQL (Postgres), JavaScript , HTML/CSS, TypeScript

Frontend: React.js, Vite, Next.js, Tailwind CSS, GSAP, Framer Motion, Material UI, Shadcn

Backend: Node.js, Express.js ,Docker, Mongoose

Other Tools: React Query, GitHub, VS Code , Telegram , npm , MS Word , MS Excel

SOFT SKILLS

Soft Skills: Teamwork, Communication, Adaptability, Critical Thinking

Languages: English(Proficient) ,Hindi(Proficient)