RACHIT KUMAR TIWARI

CSE Undergraduate | Software & AI Developer

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TECHNICAL SUMMARY

Computer Science Engineering student with hands-on experience in building AI-driven and full-stack web applications. Proven ability to design scalable, real-world solutions using TypeScript, React, Firebase, and APIs. Actively involved in hackathons, product-based projects, and social-impact tech platforms.
Visit my Portfolio- https://rachitkrtiwari.vercel.app/

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python
Frontend: React, Next.js, HTML, CSS, Tailwind
Backend & Database: Firebase, Supabase, REST APIs
AI & Automation: OpenAI APIs, OCR, AI-based verification systems
Tools & Platforms: Git, GitHub, Postman, Figma
Deployment & Others: Web Apps, Progressive Web Apps

PROJECT EXPERIENCE

VITAMEND - AI-Driven Medicine Donation Platform

August 2024 – Present

Tech Stack: **React, TypeScript, MONGODB, OCR, AI Verification**

- Designed and developed a platform to enable users to donate unused medicines in exchange for credits
- Implemented AI-based medicine verification and expiry detection to ensure safety and authenticity
- Integrated QR-based **offline verification system** aligned with WHO guidelines for cross-checking donated medicines
- Built scalable frontend and backend workflows for listing, verification, and redistribution of medicines
- DEMO- https://vitamend-official.vercel.app/ , https://vitamend.vercel.app/

VOCALIS – WEB BASED VIRTUAL AI ASSISTANT
Tech Stack: **JavaScript, Web Speech API, APIs**

- Developed a browser-based virtual assistant capable of listening to voice commands and responding via text-to-speech.
- Implemented real-time command recognition, AI-generated responses, and background web search execution
- Designed modular architecture to support future features like reminders and smart-device control
- DEMO- https://vocalis-va.vercel.app/

DOCEASY – DIGITAL DOCUMENT MANAGEMENT PLATFORM

Tech Stack: JavaScript, Web Technologies, Database Integration

- Developed a web-based platform to organize, store, and manage personal documents digitally
- Implemented structured document categorization to improve accessibility and retrieval
- Focused on simplifying document handling for everyday users through a clean UI
- DEMO- https://doceasy-official.vercel.app/

WelcomeToMyCity — City Information & Discovery Platform

Tech Stack: JavaScript, HTML, CSS, APIs

- Built a web application to showcase essential city information including landmarks, services, and local insights
- Designed modular UI components to support scalable addition of multiple cities
- Emphasized user-friendly navigation and responsive design
- LINK- https://welcometomycity-2-0.vercel.app/

Kolkata Metro — Public Transport Information Website

Tech Stack: HTML, CSS, JavaScript

- Created an informational web platform providing route, station, and metro service details
- Structured transport data for easy user access and clarity
- Focused on usability and real-world public infrastructure awareness
- LINK- https://metro-kolkata.vercel.app/

EDUCATION

Bachelor In Technology(B.Tech)
MCKV Institute Of Engineering, West Bengal, India
CGPA: 8.64(SEM 1)
CGPA: 7.66(SEM 2)
YGPA: 8.12(YEAR 1)

CERTIFICATIONS

- SQL(BASIC) HACKERRANK
- PYTHON(BASIC) HACKERRANK