

PRIYANK VERMA

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EDUCATION

- **Ajay Kumar Garg Engineering College** Ghaziabad, Uttar Pradesh
Bachelor of Technology in Computer Science and Information Technology Sep 2023 – July 2027

EXPERIENCE

- **Google Summer of Code 2026 Contributor @ CircuitVerse** | May 2026 – Aug 2026 · 4 mos |
 - Migrating CircuitVerse's Verilog synthesis pipeline from server to browser using **WebAssembly (YoWASP)**, enabling offline, zero-latency client-side compilation in the **Tauri** desktop app via Web Workers for non-blocking UI.
 - Building a custom circuit layout engine with **Vue.js** and **Pinia** state management to map synthesized netlists into CircuitVerse's simulator with full visual parity.
 - Authored a full parity test suite with **Vitest** to validate client-side Yosys synthesis against legacy server output, ensuring **100%** functional equivalence.
- **Freelance Full Stack Developer @ CSR** | Feb 2025 – Dec 2025 · 10 mos |
 - Architected a scalable client portal with **React.js/Node.js**, implementing global state management for real-time booking workflows.
 - Engineered a secure **REST API** with Express.js and JWT authentication for managing accounts and booking availability in **PostgreSQL**.
 - Built a dynamic time-slot selection feature, increasing qualified lead capture by **25%**.
- **Contributor @ GirlScript Summer of Code'24 – Digiaccel** | Sept 2024 – Nov 2024 · 3 mos |
 - Developed Login/Signup system with **Next.js**, JWT authentication, and Tailwind CSS; enhanced project scalability and UI/UX.

PROJECTS

- **RUMI: AI Voice Agent for Automated Customer Support** 🌐 | *Next.js, Groq, ElevenLabs, Exotel, Node.js, Supabase* | 🌐
 - Built a production-ready **AI Voice Agent** platform automating inbound/outbound calls via **Exotel** virtual numbers, integrating **Groq (LLM+STT)** and **ElevenLabs (TTS)** for real-time bilingual (Hindi/English) voice automation.
 - Designed a secure **Node.js/Express.js** backend with Supabase and JWT for call routing and audio streaming; integrated **Razorpay** for subscription billing, achieving **1.6s** average end-to-end latency.
 - Implemented **emotion detection** for dynamic tone adjustment, reducing human intervention by **70%** through context-aware AI responses.
- **Table Scan: QR-based Ordering System** 🌐 | *React.js, Express.js, WebSockets, Tailwind CSS* | 🌐
 - Built a QR-code restaurant ordering system with real-time **WebSocket** tracking, cutting service time by **30%**, order errors by **25%**, and improving customer experience by **40%**.
 - Integrated secure Restaurant API with customer preference analytics, achieving **0%** data breaches since launch.
- **Empower Fund:** 🌐 | *React.js, Node.js, Prisma, Neon DB, Stripe API* | 🌐
 - Built a gender-equality fundraising platform with **Stripe** payments, donor dashboards, and campaign tracking, increasing donations by **30%**.
 - Implemented JWT-based auth for donors and organizers with a responsive, mobile-friendly design.

SKILLS

- **Frameworks:** Vue.js, Express.js, Next.js, Tauri, WebAssembly, REST APIs, WebSocket
- **Libraries:** React.js, Recoil, Pinia/Redux, Tailwind CSS, Axios, Chart.js, GSAP, Zod
- **Tools:** Git, GitHub, Docker, Kubernetes, OpenTelemetry, MongoDB, PostgreSQL, Prisma, Postman
- **Languages:** C++, JavaScript, TypeScript, Python, Ruby, Rust