

NEEKITA SAHU

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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SUMMARY

Dedicated software engineer and recent CSE graduate with a proven track record of applying modern development tools to build responsive web applications. Experienced in utilizing the MERN stack and integrating AI-augmented workflows to streamline project delivery from concept to deployment. Seeking to apply strong architectural understanding and frontend design expertise.

TECHNICAL SKILLS

- Languages:** HTML5, CSS3, JavaScript, TypeScript, C++, SQL.
- Libraries & Frameworks:** React.js, Next.js, Node.js, Tailwind CSS, Three.js (3D Graphics), Supabase, Framer Motion, Vite.
- AI & LLM Integration:** Google Gemini API, prompt engineering, structured JSON schema output, rate-limit retry logic.
- Frontend Core & UI:** CSS Flexbox, CSS Grid, Responsive Design, Modern UI Architecture.
- Backend & Database:** REST API, WebSockets, WebRTC, JSON Parsing, CORS, Multitenancy.
- Tools & Platforms:** Git/GitHub, Vercel, Supabase, AI Coding Environments (Claude, Antigravity Studio).
- Other:** SEO (Search Engine Optimization).

SOFT SKILLS

- Problem-Solving:** Debugging syntax errors and handling API data.
- Observation:** Identifying modern UI trends to improve user engagement.
- Analytical Thinking:** Breaking down complex UI into modular, reusable components.
- Communication:** Clearly explaining technical project features and logic during interviews.

EXPERIENCE

Frontend Development & SEO Intern JouleWorx	March 2026 - May 2026
"Kin" Landing Page Development: Engineered complex hero-to-navbar transition animations for the primary landing page, driving a 25% increase in UI engagement through optimized scroll-linked animations and responsive design principles. Joule Worx Website Journal Architecture: Designed and deployed the complete directory structure and custom styling for the agency's blog section, contributing to a 40% reduction in frontend load times across diverse screen sizes. Interactive Joule Worx Product Section: Developed a dynamic, cursor-responsive mobile phone animation using Intersection Observer to automatically trigger context-aware tooltips, boosting user interaction time and feature discovery. Search Engine Optimization & Content Strategy: Drafted structured blog content using targeted SEO keywords and leveraged Google Search Console for performance monitoring, resulting in a 30% boost in organic website traffic.	

PROJECTS

AI Resume Checker (Link)
- Built an AI resume analyzer with Next.js 16, React 19, and TypeScript, integrating the Google Gemini API across 4 serverless routes to score resumes against job descriptions and return matched/missing keywords, ATS formatting flags, and rewritten bullets in a single pass. - Engineered a 7-model fallback chain with retry-on-429/404/503 logic that routes scoring and extraction to opposite ends of the model list, sustaining ~100% request success on a rate limited free tier where a single model call would fail. - Enforced structured LLM output using Gemini responseSchema definitions mapped 1:1 to typed interfaces, eliminating JSON parse failures and cutting response validation code to zero. - Developed a PDF-to-PDF pipeline that parses uploaded resumes with pdf-parse, extracts 7 resume sections into structured JSON, and re-renders an ATS-safe single column document via @react-pdf/renderer turning a manual reformat of ~30 min into a sub-10s automated flow.
NextMD (Link)
- Architected a full-stack markdown notes app with Next.js 15 App Router, React 19, and TypeScript, backed by 7 Supabase Edge Functions (Deno) that isolate all note CRUD behind a single typed invocation layer, cutting client-side data-access code to one invokeFn helper across ~2,800 lines. - Built a resilient autosave engine with 1.5s debounce, queued concurrent writes, and 3-stage exponential backoff (1s/2s/4s) plus a throttled localStorage draft mirror, eliminating data loss across failed saves, tab closes, and mid-edit note switches. - Secured multi-tenant data with Supabase Auth and Postgres Row Level Security, enforcing per user isolation on 100% of read/write paths, and hardened SSR middleware against open-redirect attacks by restricting post login redirects to same origin relative paths. - Implemented lossless .md / .html / .zip import-export with collision safe filenames and dynamic-imported JSZip, deferring ~95 KB of bundle weight off the critical path for the majority of sessions that never export.
PeerEdit Workspace (Link)
- Architected a decentralized, real-time document editor using Next.js, React, and TipTap, leveraging Claude and Antigravity Studio to accelerate development and component integration. - Integrated Yjs and WebRTC libraries to facilitate peer-to-peer data synchronization, achieving sub-100ms latency and supporting multiple concurrent users without a centralized database. - Utilized the Web Crypto API to implement client-side session key generation, ensuring 100% of document data remained encrypted during transit. - Designed and structured a responsive UI with Tailwind CSS v4, resulting in a modular component architecture that reduced development time by 30% for future feature additions.

EDUCATION

KK Modi University	Sept 2022 - July 2026
<i>Bachelor of Technology in Computer Science and Engineering (8.5 CGPA)</i>	
Achievements:	
- Participated in Shankara Global Hackathon 2025 - Jaipur, India. - Successfully completed Infosys Springboard Virtual Internship 6.0 certification.	