Ansh Singh

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Summary

Full-stack developer with hands-on experience building scalable web apps (Next.js, Supabase), published IEEE author, and hackathon winner seeking web development or ML internships.

Education

SRM IST Chennai, B.Tech in Computer Science and engineering	Jan 2022 – Jan 2026
RPS International School, High School Science	Apr 2020 – Mar 2022

Work Experience

Full stack developer Intern, Tixon — Mar 2025 – Current

- Developed a highly scalable ticket booking and management app
- Designed and developed highly scalable Database and auth flow using supabase a PostgreSQL wrapper
- Integrated ZOHO payment gateway and developed ticket booking flow from scratch
- Implemented serverless compute for better cost management
- Architected a turborepo monorepo with separate apps for ticket management (React) and SEO-optimized booking UI (Next.js) to streamline codebase and improve maintainability, code reusability

Web developer intern, Quamin Tech Solutions — Oct 2024 – Feb 2025

- Automated database updates while cutting costs by 35% and reducing write operations to nearly one-third
- Developed back-end API to fetch real-time data from sensors

Projects

Memegen — Website

- Built a full-stack web app that converts real-time news headlines into AI-generated memes
- Used Gemini flash 2.0 to generate meme prompts to improve image generation output
- Ensured prompt safety with content filtering and fallback logic to comply with OpenAI's content policy
- Tech Stack: Next.js, Framer Motion, TailwindCSS, OpenAI (DALL·E 3), Gemini API, Azure, Supabase

Idea Clinic forum — website

- Built a full-stack forum for SRM Incubation Cell using Next.js, TypeScript, and Supabase
- Designed efficient SQL schemas and implemented dynamic post workflows and retrieval
- Improved UI/UX consistency by resolving front-end responsiveness and layout issues
- Tech Stack: Next.js, TypeScript, Supabase

Other Projects

- **Portfolio** – A Portfolio website with user friendly minimalist design to showcase project
- **RAG PDF** – A Web app for PDF parsing with RAG Implementation to query the
- **Bias Large** – A news bias classification model for my IEEE published research paper with an accuracy of 94

Technical Skills

- Frontend: Next.js, React.js, Tailwind CSS, TypeScript
- Backend: Node.js, Express.js, Supabase, REST APIs, SQL, NoSQL, PostgreSQL, Redis
- DevOps & Tools: Docker, Linux, Git, AWS, CI/CD

Achievements

1st Prize – Hackathon Genesis 1.0 (TPHxSRM) — Feb 2024
Built a decentralized voting app using blockchain tech with anonymous user authentication.

Measuring Political Bias in LLMs Using Fine-Tuned RoBERTa Model — ICSSAS 2025

AWS ML Foundations – AWS Academy Graduate — 2024