Shwetank Jain

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SUMMARY

Software Engineer and Full-Stack Developer focused on secure web development and AI integration. React, Next.js, Node.js/Express, Tailwind, Prisma, shadcn/ui; MongoDB, PostgreSQL, Supabase; REST APIs, authentication/authorization (RBAC, JWT), database optimization; AWS, Vercel, Render; CI/CD with GitHub Actions; AI via **Gemini API**; documentation and live demos.

TECHNICAL SKILLS

- **Languages:** C, C++, JavaScript (ES6), SQL, HTML, CSS
- **Frameworks/Libraries:** React, Next.js, Node.js/Express, Tailwind, Prisma, shadcn/ui
- **Databases:** PostgreSQL (SQL), MongoDB (NoSQL), Supabase
- **Cloud/Hosting:** AWS (basic), Vercel, Render
- **Tools/Platforms:** Git, GitHub Actions, Postman, Clerk, Inngest, Arcjet, Resend, React Email, JWT, OpenAPI
- **Core Concepts:** REST APIs, Authentication and Authorization, Pagination, Rate Limiting, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks (CN)

PROJECT EXPERIENCE

Welth: AI Finance Platform (Next.js, Prisma, Supabase, Gemini API) 2025 – 2025
GitHub | Live

- **Engineered** a dashboard for budgets/transactions; **automated 100%** of budget recalculations via scheduled jobs and transactional queries.
- **Built** AI **Optical Character Recognition (OCR)** with Gemini API for receipts and category mapping; **cut** manual entry **70%**.
- **Orchestrated** Inngest workflows for weekly reports/alerts; **raised** notification success to **90%** with retries and dead-letter handling.
- **Secured 20+** routes using Clerk RBAC and Arcjet rate limiting/bot checks; **ensured** deliverability with Resend.
- **Communicated** changes via README updates, a concise user guide, and live demos; **standardized** pull request (PR) and issue templates to streamline reviews.

Keeper: Notes Management App (MongoDB, Express, React, Node.js) 2024 – 2025
GitHub | Live

- **Developed** a notes platform and added compound indexes; **reduced** query latency **40%** by optimizing read paths/controllers.
- **Implemented** JWT auth with RBAC across **100%** of protected endpoints and error middleware; **improved** API reliability **30%**.
- **Streamlined** CI/CD via GitHub Actions + Vercel; **cut** release effort **70%** with single-pipeline builds and previews.
- **Optimized** React + Tailwind UI using Context API and code splitting; **sped up** page loads **20%**.
- **Documented 100%** of REST endpoints with Postman and **OpenAPI (Swagger)** specs; **authored** contributor guidelines and a setup guide to onboard new devs.
- **Designed** a stateless API with pagination, indexed queries, and pooled connections; **aligned** with MongoDB Atlas **500-connection** cap (free tier), horizontally scalable on Vercel.

EDUCATION

- **MNNIT Allahabad** 2022 – Present
  B.Tech in Electronics and Communication Engineering
- **K.K. Public School, Khatauli** 2021
  CBSE Class XII: 91%
- **Golden Heart Academy, Khatauli** 2019
  CBSE Class X: 90.8%

ACHIEVEMENTS

- **Top 1%** (AIR 9567) in JEE Mains 2022, among **1M+** candidates — Scorecard
- **Solved 500+** DSA problems across Codeforces **1434**, CodeChef **1707**, LeetCode **1634** — Codolio
- Runner-up, Bumble See Robotics (2023), Arduino UNO line/wall follower, **among 50+ teams** — Certificate
- Runner-up, Falcon Aero (2024), aircraft model with improved stability, **among 30+ teams** — Certificate

LEADERSHIP AND ACTIVITIES

- Led outreach for **3** technical clubs (Robotics, Aero, Astro), **2023 – 2024**; planned and promoted **10+** events reaching **500+** participants, **improving turnout 25%**.
- Created a comms playbook (templates, posting calendar, registration forms) and coordinated faculty + volunteers to **ensure 100% on-time** announcements for all events.