Kavya Shah

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Education

SVKM's Dwarkadas J. Sanghvi College of Engineering **August 2023 – June 2027**
B.Tech in Computer Science and Engineering *Mumbai, Maharashtra*
CGPA: 8.99/10.0

Experience

Hexagon Digital **January 2026 – June 2026**
Full Stack Developer *Mumbai, Maharashtra*

- Architected and maintained scalable web applications for diverse clients, ensuring seamless integration between responsive frontends and robust backends.
- Diagnosed and resolved 50+ high-priority frontend and backend bugs, improving application stability and reducing client-reported technical debt.

Projects

URL Shortener | ***React, Node.js, TypeScript, Express, MySQL, Redis, BullMQ, Docker, Nginx*** live demo | code

- Built a full-stack URL shortening platform with a **React** dashboard and an Express/TypeScript API supporting custom aliases, link expiry, click limits, and **bcrypt**-hashed password-protected links, secured by **JWT** authentication with per-user ownership enforcement.
- Implemented a **Redis** cache-aside layer on the redirect path with TTL-based expiry and write-through invalidation, alongside **Redis**-backed distributed rate limiting verified correct across 3 horizontally scaled containers behind **Nginx**.
- Decoupled click analytics into a **BullMQ** worker queue with exponential-backoff retries, so redirects stay unaffected by analytics failures and queued events survive worker downtime.
- Load-tested with **k6** at 20 concurrent users, achieving 31ms p95 latency on cached redirects vs. 114ms on password-protected links, isolating bcrypt's verification cost; containerized the full stack (app, worker, MySQL, Redis, Nginx) with **Docker Compose** and validated builds via **GitHub Actions** CI.

AI Resume Screener | ***React, Node.js, Express, Supabase (PostgreSQL), Redis, Gemini API*** live demo | code

- Built a full-stack hiring platform where recruiters post jobs and candidates apply with PDF/DOCX resumes, ranking applicants using **Gemini embeddings** with cosine similarity plus an LLM-generated match score, strengths, weaknesses, and interview suggestions.
- Decoupled slow resume processing (text extraction, embedding, analysis) from the upload request using a **Redis**-backed job queue and background worker, so candidates receive an instant application ID while scoring runs asynchronously.
- Developed a recruiter dashboard for score-ranked candidates and status updates, and a login-free candidate portal to track application status by ID and email, backed by **Supabase** PostgreSQL, storage, and auth.

Zip Dino | ***Node.js, Next.js, TypeScript, Redis, AWS S3*** live demo | code

- Developed a cross-device file-sharing platform enabling users to securely transfer files and text using temporary 6-digit pairing codes.
- Integrated **AWS S3** for scalable object storage and automated file cleanup to optimize storage costs.
- Engineered a high-performance backend with **Redis** to map unique identifiers to S3 buckets, ensuring sub-second retrieval times.

Technical Skills

Languages: JavaScript, TypeScript, C++, C, SQL
Frameworks: React Router, Next.js, Node.js, Express, Fastify
Libraries: React, React Native, Redux, Drizzle ORM, Tailwind CSS
Database: MySQL, SQLite, MongoDB, PostgreSQL
Tools: Docker, Git, GitHub, AWS S3, Expo

Certifications & Achievements

Data Structures, Algorithms & Algorithmic Thinking

- **LeetCode:** Tackled more than 200 problems.
- **Codeforces:** Newbie on Codeforces. Completed over 100 challenges, peaking at 958.