

ANUSH GUPTA

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EDUCATION

JECRC University

B.Tech in Computer Science (AI/ML Specialization, XEBIA Track), CGPA 8.7/10

Jaipur, India

Aug 2023 - May 2027

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Database Management Systems, Computer Networks, Artificial Intelligence, Machine Learning, Cloud Computing.

EXPERIENCE

SDE Intern, Motor Insurance

Park+ (Insurtech and Mobility)

Jun 2025 - Aug 2025

Gurugram, India

- Integrated 2 of 5 third-party insurer APIs and delivered the No-Claim Bonus (NCB) engine in **Go** for the concurrent quote-generation service used by **15,000+ daily active users**.
- Cut average API response time by **35%** (800ms to 520ms) on 4 high-traffic quote endpoints through **Redis** caching, N+1 query elimination, and **PostgreSQL** tuning.
- Authored a reusable third-party API integration template adopted across the team, shortening new-insurer onboarding from **3 weeks to 4 days**; owned the fault-tolerant request, retry, and error-handling layer.

PROJECTS

Krate: Linux container runtime

Go, Linux, Cgroups v2, REST API

Apr 2026

github.com/solmyst/krate

- Built a Linux container runtime in Go from scratch with **namespaces**, **cgroups v2**, and **overlay filesystems** for process isolation and copy-on-write storage; supports image pull and per-container CPU and memory limits.
- Launched a concurrent **REST API** daemon and real-time web dashboard for container lifecycle management, with asynchronous control endpoints and low-latency status streaming.

AI Resume Tailor: ATS-optimization web app

React, TypeScript, Flask, ChromaDB, RAG, Ollama

Jul 2025

github.com/solmyst/ai-resume-tailor

- Shipped a web app that scores resumes against any job description and rewrites them with a transparent 4-part rubric (keyword match, layout, quantification, action verbs); uses multi-provider AI fallback across OpenAI, Gemini, and local **Ollama**.
- Implemented a local **RAG** pipeline with **ChromaDB** and on-device embeddings for project-to-job semantic matching; covered with **86 Vitest unit tests** and an automated **GitHub Actions CI/CD** pipeline.

InterviewAce: AI mock-interview platform

React, TypeScript, FastAPI, Redis, Docker, Firebase, Whisper

Aug 2025

github.com/solmyst/AI-Powered-Interview-Coaching

- Crafted a mock-interview web app that tracks user speech on pace, fillers, and pauses via Web Speech API and **Whisper**; backed by **Firebase Auth** and offline-syncing Cloud Firestore, with a Recharts analytics dashboard.
- Designed an asynchronous **FastAPI** service with a **Redis** caching layer (24-hour TTL on Whisper transcripts) and a fallback path between OpenAI and Ollama, orchestrated via **Docker Compose**.

TECHNICAL SKILLS

Languages: C++, Java, Python, Go, JavaScript, TypeScript

Frameworks: React, Next.js, Node.js, Flask, FastAPI, SQLAlchemy, Tailwind CSS, Recharts, Vitest

Tools and Platforms: Git, Docker, Linux, GitHub Actions, Firebase, Ollama, GCP, Vercel

Databases: PostgreSQL, Redis, SQLite, ChromaDB, Cloud Firestore

Concepts: Data Structures and Algorithms, System Design, Concurrency, REST APIs, LLM Integration, RAG, CI/CD, Testing

ACHIEVEMENTS

- **Competitive Programming:** Solved **500+ DSA problems** across LeetCode, Codeforces, and CodeChef.
- **Hackathon Runner-Up:** Awarded 2nd place out of 200+ teams in University Hackathon (Healthcare Track).
- **Pitch Competition:** Secured **2nd Prize** at XEBIA National Conclave for startup product pitch.

CERTIFICATIONS

- **Google Cloud:** RAG, GenAI Apps with Gemini and Streamlit, and Prompt Design on Vertex AI.
- **JPMorgan Chase (Forage):** Software Engineering Job Simulation — financial data stream & interface.
- **Microsoft & LinkedIn:** Career Essentials in Software Development.