Gaurav Prajapati

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PROFESSIONAL SUMMARY

Software Engineer with 1+ year of experience owning end-to-end design and development of scalable backend and real-time systems using Python-based services in a startup environment. Strong foundation in Java fundamentals, Python, and RESTful services, with hands-on experience designing cloud-based, asynchronous platforms and AI-assisted systems. Proven problem solver with national-level hackathon wins and strong academic performance.

WORK EXPERIENCE

Software Engineer
Persist Ventures | Dec 2024 – Feb 2026

- Owned architecture and implementation of multiple internal and client-facing platforms across a venture studio ecosystem.
- Designed and built **PersistWizard**, an internal outreach platform adopted by **40+ portfolio startups**, replacing multiple third-party tools.
- Architected a **high-throughput email delivery system** using **AWS SES, SNS, Lambda, Redis queues**, implementing warm-up logic, multi-layer rate limiting, and fault tolerance.
- Designed background worker orchestration for **campaign scheduling**, **lead processing**, and webhook-based **inbound/outbound email tracking**.
- Developed a **LinkedIn automation** system enabling token-based authenticated scraping, intelligent prospect targeting, and automated connection/message workflows.
- Built a **centralized social media scheduling** platform supporting multi-account integration and cross-platform publishing from a single dashboard.
- Led development of **PumpGym**, a real-time fitness gamification system using **MediaPipe-based pose estimation** for rep and set counting across **27 exercises**.
- Designed rule-based motion analysis achieving **~92% accuracy** under optimal conditions and implemented real-time feedback and progress visualization.
- Contributed to **Tatbox AI**, an AI-driven mobile marketplace; developed Flutter features and integrated **Stripe-based subscriptions** with backend services using **Node.js and MySQL**.
- Conducted code reviews, guided technical decisions, and enforced clean architecture and SDLC best practices across projects.

INTERNSHIPS

Mobile Application Developer - *Quantasis* | May 2024 – November 2024

- Developed healthcare and e-commerce applications using Flutter, implementing appointments, WebRTC-based consultations, chatbots, and notifications.
- Resolved legacy dependency issues and improved application stability and performance.

Flutter Developer Intern - *CakeLaya* | January 2024 – February 2024

- Built responsive UI components and integrated Razorpay payment workflows, order management, and ratings.

PROJECTS

Advance RAG for Financial Information | 2025

- Built a Retrieval-Augmented Generation platform for financial document analysis using LangChain, Ollama, Pinecone, and Next.js.

EventHorizon | 2024

- Developed a cross-platform event system and implemented **YOLOv8-based ID verification**, reducing manual verification by **~60%**.

CORE TECHNICAL SKILLS

Backend & Systems: API Design, Asynchronous Processing, Distributed Workers, Rate Limiting
Languages: Java, Python, JavaScript   **Frameworks:** Flutter, React, Node.js, Fast API.
Databases: MySQL, Redis, Firebase, MongoDB.
Cloud & AI: AWS (SES, SNS, Lambda), RAG, LLM Integrations.

EDUCATION

St. Francis Institute of Technology , Borivali (West)   **Nov 2021**
B.E. Information Technology, **CGPA: 9.2**

ACHIEVEMENTS

- Finalist, **Eureka 2025** Zonal Rounds, IIT Bombay
- Secured **2nd Prize (2025)** and **3rd Prize (2024)** in the Project Competition (Colloquium)
- Winner, **Smart India Hackathon 2023** (National Level)
- **AIR 9692**, CodeKaze Coding Round 2023
- **2nd Rank**, IT Department (2021–2023)