Sahil Dhameja

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Education

Sardar Vallabhbhai National Institute of Technology, Surat — 2021 - 2025
Bachelor of Technology — *CGPA: 8.19/10*

Experience

Associate Software Developer — Jan 2025 – Present
ASQI (FarmApp) — *Mumbai, Maharashtra*

- Developed **subscription-based weather alert system** delivering forecasts to **5,000 users** in **8 languages**.
- **Automated alerts** using **Celery**, **Scrapy**, and **webhooks**, integrated with **WhatsApp messaging**.
- Improved **database performance by 40%** by resolving **N+1 query** issues in PostgreSQL.
- Designed a **web crawler using Scrapy** to extract over **30,000 soil health records** from government portal.
- Developed **automated weekly admin reports** with usage analytics, delivered as PDFs via email.
- **Tech Stack**: *React, Python, Django REST Framework, PostgreSQL, Redis, Celery, Docker*

Full Stack Developer Intern, — Jul 2024 – Dec 2024
ASQI (FarmApp)

- Implemented **soft delete** and **password reset features**, reducing account **recovery time by 50%**.
- Developed farmer onboarding, profile management, transfer features, and **role-based access control**.
- Created a biochar interest **management dashboard** with filtering, sorting, and status tracking.
- **Tech Stack**: *React, Python, Django REST Framework, PostgreSQL*

Technical Skills

Programming Languages: JavaScript, Python, C/C++, Java, SQL
Technologies: React.js, Node.js, Express.js, WebSockets, Django REST Framework
Data & Distributed Systems: PostgreSQL, MySQL, MongoDB, Redis (Pub/Sub), Apache Kafka
Tools & Platforms: Git, GitHub, Docker, Postman, Celery, Scrapy, WebSockets, Socket.io
Computer Science Fundamentals: Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), Database Management Systems (DBMS), Operating Systems (OS)

Projects

Talksy – Real-Time Social Video Platform *Github | Live*

- Designed **Dockerized microservices** architecture with **NGINX** reverse proxy for routing and load balancing
- Reduced message latency from **120ms to 30ms** using **Apache Kafka** for real-time message delivery
- Synchronized multiple backend servers using **Redis Pub/Sub** Mechanism.
- Developed user authentication, friend requests, **threaded discussions**, video calls, file sharing, profile management, and **32 customizable themes** using React, Node.js, Python, and Tailwind CSS.
- Integrated **AWS S3** with presigned URLs for secure file, image, and audio uploads.
- Implemented **RAG-based AI assistant** using OpenAI, Kafka, and vector DB for contextual responses

DailyDoseBlog *Github | Live*

- Built a responsive blog platform with **JWT-based authentication** and **Google Sign-In**.
- Added likes, dislikes, comments to enhance **user engagement** with file upload functionality.
- Implemented **role-based access control**, **Stripe payment**, **PersistLogin** for improved user experience.
- **Tech Stack**: HTML, CSS, Bootstrap, React, Node.js, Express, MongoDB.

Achievements

Solved over **850 LeetCode** problems with a highest contest **rating of 1840.**

Achieved global rankings of **881**, **1099**, and **2122** in **LeetCode** Contests.

Certifications

Full Stack Generative and Agentic AI with Python – Udemy, 2025 **Certificate**