

Ankush Singh Gandhi

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SUMMARY

Python Backend Developer with **2+ years of experience** designing and scaling **REST APIs** and **microservices** using **Flask** and **Django**. Skilled in database design (**MySQL, MongoDB, Redis**), cloud deployment (**AWS, Docker**), and CI/CD pipelines (**GitHub Actions**). Experienced in real-time data systems, **WebSockets**, and **caching** for high-performance fintech applications. Strong focus on clean architecture, security, and agile delivery.

EXPERIENCE

Software Developer

Desi Diaries Pvt. Ltd. | Jaipur

May 2023 – Dec 2025

- Architected **event-driven microservices** using **Flask** and **Redis Pub/Sub**, handling **100–200 msgs/sec** for real-time analytics
- Built **fault-tolerant asynchronous processing** with **Celery** using **retries, DLQ, and idempotency**, achieving **99.9% task success**
- Reduced API latency to **50ms** and **database load by 60%** via **multi-layer Redis caching** (cache-aside, TTL, pub/sub)
- Developed a **horizontally scalable WebSocket gateway** supporting **2K+ concurrent connections** with **200ms message latency**
- Deployed services with **Docker** and **Kubernetes HPA (2–10 pods)**, enabling observability via **Prometheus, Grafana, and logging**
- Built a **real-time analytics pipeline** processing **option chains** to compute **6 trading metrics** over **1/5/15-minute OHLC windows**

Flutter Developer Intern

Desi Diaries Pvt. Ltd. | Jaipur

Dec 2022 – May 2023

- Published a **Flutter** app with **Laravel APIs** on App Store and Play Store, optimized **video streaming** to reduce buffering by **35%**

PROJECTS

Budi Travel (App) - Minister of Public Administration, Trinidad and Tobago

- Led backend development with **Django + MySQL**, and contributed to the **Flutter** app for booking and user management
- Published the app on both the **Play Store** and **App Store** after resolving complex publishing challenges

Happy Paws (App) - Apple Animal Society, Kota

- Designed and Shipped a full-stack app using **Flask (JWT, REST)** with a **Flutter** App, backend hosted via **Docker + AWS**
- Integrated **Redis** caching and modular APIs to improve response time by **40%**

Real-time Scheduler (Python GUI) - Personal Project

- Engineered a Python GUI to visualize **CPU scheduling** algorithms (**FCFS, SJF, RR**)
- Delivered **real-time** updates to enhance algorithm comprehension during self-study and demos

ACHIEVEMENTS

- Achieved **Top Voice (Computer Science)** status on **LinkedIn** — blogs reached **40,000+ views**.
- Selected among **160+ tech leaders** from India for **GitHub Field Day 2021**.
- Secured **global rank 169** in Girl Script Summer of Code (GSSoC)

EDUCATION

Bachelor of Technology (B.Tech), Computer Science, Poornima Group of Institutions, Jaipur

• Core Courses: **OS, DBMS, Networks, Algorithms, Compilers**

Jan 2018 – Jan 2022

SKILLS

Languages:

Python, C, JavaScript

Frameworks:

Flask, Django, React

APIs & Architecture:

REST APIs, API Development, Microservices Architecture, Event-Driven Architecture

Libraries & Tools:

Celery, NumPy, Pandas, Beautiful Soup, Selenium, Pygame, Tkinter, Flutter

Databases:

MySQL, MongoDB, Redis, Kafka

DevOps & Cloud:

Docker, Kubernetes, GitHub Actions, AWS, WebSockets, Linux, Git

Other:

WebSockets, Unit Testing, Agile/Scrum, ChatGPT