

# Ankush Singh Gandhi

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## SUMMARY

**Python Backend Developer** with 2+ years of experience building **REST APIs** and **microservices** using **Flask** and **Django**. Experienced with databases (**MongoDB**, **MySQL**), asynchronous processing using **Celery**, and caching with **Redis**. Hands-on experience in **event-driven systems**, **WebSockets**, and containerized backend deployments with a focus on **reliable, maintainable backend systems**.

## EXPERIENCE

### Software Developer

Desi Diaries Pvt. Ltd. | Jaipur

May 2023 – Dec 2025

- Worked on **event-driven backend services** using **Flask** with **MongoDB** and **Redis Pub/Sub** for real-time analytics workflows
- Implemented **asynchronous background jobs** with **Celery** using **exponential backoff retries** for hundreds of daily tasks
- Improved **microservices API performance** by introducing **Redis caching (TTL, Pub/Sub)** reducing queries on **MongoDB**
- Built and maintained **WebSocket-based data delivery** for real-time market updates, supporting **concurrent client connections**
- Deployed containerized services using **Docker** and **Kubernetes (HPA 2–10 pods)** with basic **logging and monitoring**
- Contributed to an **analytics pipeline** computing **6 trading indicators** 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

- Built a **production ready Django REST backend** with **JWT auth** and **RBAC**, backed by **MySQL**, supporting **500+ users**
- Implemented **secure transaction handling** using **Django ORM transactions** and **Decimal based money logic**
- Optimized **database schema and queries** using **indexing** and **normalization** for location-based search and booking data
- Implemented **asynchronous processing** with **Celery and Redis** for notifications and background workflows

### 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

Jan 2018 – Jan 2022

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

## SKILLS

<b>Languages:</b>	Python, C, JavaScript
<b>Frameworks:</b>	Flask, Django, Flutter, React
<b>APIs &amp; Architecture:</b>	REST APIs, API Development, Microservices Architecture, Event-Driven Architecture
<b>Libraries &amp; Tools:</b>	Celery, NumPy, Pandas, Beautiful Soup, Selenium, Pygame, Tkinter
<b>Libraries &amp; Tools:</b>	Celery, Prometheus, Grafana
<b>Databases:</b>	MySQL, MongoDB, Redis, Kafka
<b>DevOps &amp; Cloud:</b>	Docker, Kubernetes, GitHub Actions, AWS, WebSockets, Linux, Git
<b>Other:</b>	WebSockets, Unit Testing, Agile/Scrum, ChatGPT