

Shoury Rana

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EXPERIENCE

Django Backend Intern

October – Present

Slotin Solutions | Remote

Hyderabad, India

- Built **20+ REST API** endpoints using **Django REST Framework** for core product workflows including shops, products, subscriptions, admin panel and **resolved multiple production bugs**.
- Designed and implemented a polymorphic subscription system using **Django ContentType framework** to support multiple monetization entities.
- Designed and enforced **Role Based Access Control (RBAC)** for users, moderators, admins using **Django permissions, groups, and custom permission checks** across 25+ DRF endpoints.
- Designed a flexible **EAV-based attribute system** to support dynamic product configurations.
- Designed and implemented **Firebase backend migration to Django**, improving backend flexibility and reducing vendor lock-in.
- Developed an **internal admin dashboard** using **React** to replace manual database operations and **improve operational efficiency**.
- Integrated **Firebase Cloud Messaging (FCM)** for push notifications with **automated cleanup** of invalid device tokens.
- Refactored monolithic Django view and serializer files (**~700 LOC**) into **modular components** using **IDE-assisted safe refactors**, **improving readability** and reducing future development friction.

PROJECTS

Linkcrate — Secure File Sharing Platform | *Django, DRF, Supabase, React, PostgreSQL*

August 2025

- Built a secure **file-sharing platform** supporting **password-protected** and **time-bound access** links.
- Designed backend APIs for **file upload, metadata storage, and access validation**.
- Implemented **link expiration** and **access control logic** to restrict unauthorized downloads.

Samudra Sathi | Hackathon Prototype | *Django, DRF, PostgreSQL, PostGIS*

September 2025

- Developed backend APIs for **crowdsourced flood** and **hazard reporting**.
- Designed **geospatial data models** to support location-based hazard visualization.

TECHNICAL SKILLS

Languages: Python, JavaScript, C, C++

Backend: Django, Django REST Framework, Flask

Frontend: React, Tailwind CSS, HTML, CSS

Databases: PostgreSQL, Supabase, PostGIS, Firebase Realtime Database

Cloud & Backend Services: Firebase Cloud Messaging (FCM), Firebase Storage, Supabase Storage

Tools & Platforms: Git, GitHub, Postman, VS Code

EDUCATION

Guru Tegh Bahadur Institute of Technology

New Delhi, India

Bachelor of Technology in Computer Science and Engineering(B.Tech) | CGPA: 8.72/10.0

Aug. 2024 – May 2028

Kendriya Vidyalaya Pragati Vihar

New Delhi, India

Senior Secondary (Class XII) | CBSE | Result: 83.6%

2024

Kendriya Vidyalaya Pragati Vihar

New Delhi, India

Secondary (Class X) | CBSE | Result: 89.8%

2022

ADDITIONAL INFORMATION

- Team secured **2nd position** in **Azinhack'25** organized by **IoSC, GGSIPU-EDC**
- Social Summer of Code (SSoC):** Top 50 contributors; contributed to multiple open-source repositories
- GirlScript Summer of Code (GSSoC):** Top 2.5% contributor; contribution led to an internship opportunity