

HARSHIT TIWARI

Python Developer | Django | Django REST Framework | REST APIs | Backend Engineering

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PROFESSIONAL SUMMARY

Motivated Python and Django Developer with strong hands-on experience building production-quality web applications, RESTful APIs, and data-driven platforms. Demonstrated ability to architect secure, scalable Django backends with OAuth2, JWT, RBAC, and PostgreSQL. Built real-world projects including a KYC identity verification platform, a live multi-platform price comparison engine (300+ products), and OAuth2 integrations from scratch. Quick learner actively expanding into Odoo ERP development. Looking for a Python/Django or Odoo Developer role to contribute immediately.

TECHNICAL SKILLS

Languages: Python 3, React.js

Frameworks and Libraries: Django, Django REST Framework, jQuery, BeautifulSoup4, Requests, Pillow

Databases: PostgreSQL, SQL, SQLite, Django ORM (select_related, prefetch_related, indexed queries)

APIs and Security: RESTful API, OAuth2, Google OAuth2, Role-Based Access Control (RBAC), CSRF Protection, Session Management

Tools: Git, GitHub, Linux, Bootstrap 5, Odoo (learning)

PROJECTS

FinId - Digital Identity and KYC Management Platform

Tech Stack: Django, Django REST Framework, PostgreSQL, Bootstrap 5, OAuth2, Pillow

- Architected RESTful APIs for user authentication, KYC document upload, and identity verification; enforced OAuth2 and Role-Based Access Control (RBAC) supporting 3 distinct user roles.
- Built a KYC document upload system handling 8 document types (PDF/JPEG/PNG, max 5 MB) with strict file-type validation and atomic multi-model transactions across User and UserProfile, ensuring zero data inconsistency.
- Auto-generated UserProfile records with 14+ fields on every new registration using Django post_save signals, fully eliminating manual profile creation.

MobileHunt - Real-Time Mobile Price Comparison Platform

Tech Stack: Django, Python, BeautifulSoup4, Requests, Bootstrap 5

- Built a web scraping engine using BeautifulSoup4 and Requests to aggregate real-time prices, specs, and images for 300+ mobile phones across 6 platforms: Amazon, Flipkart, Croma, Myntra, Reliance Digital, and Vijay Sales.
- Implemented multi-parameter filtering (price, RAM, storage, brand), a cross-platform Best Price badge, a custom image proxy with in-memory caching to reduce repeated fetch overhead, and paginated results (20 items per page).
- Optimized user search history tracking using indexed database queries, reducing repeated-search database load significantly.

Recipe Management Platform

Tech Stack: Django, Python ORM, Bootstrap 5

- Developed a full-stack Django application featuring complete CRUD operations, recipe search and category filtering, image upload with server-side form validation, and a responsive Bootstrap 5 dashboard.

Google Sign-In - OAuth2 Authentication Integration

Tech Stack: Django, Google OAuth2, Session Management, CSRF Protection

- Implemented the complete Google OAuth2 authorization code flow — consent screen, callback handler, and token exchange — with auth-guarded views, secure session management, and CSRF-protected authentication endpoints.

EDUCATION

Bachelor of Technology (B.Tech) | Bundelkhand University, Jhansi, Uttar Pradesh | July 2020 - June 2024

Intermediate (Class XII) | Udaya Public School, Ayodhya, Uttar Pradesh | April 2019 - March 2020

High School (Class X) | Udaya Public School, Ayodhya, Uttar Pradesh | April 2017 - March 2018

CERTIFICATIONS

- [Python Basic - HackerRank](#)
- [Python Essentials 1 - Cisco Networking Academy](#)
- [Software Engineer - HackerRank](#)
- [SQL \(Advanced\) - HackerRank](#)