

Prashant Paneru

Backend Developer (Django)

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GitHub: <https://github.com/pr45h4nt> | Portfolio: <https://www.prashant69.com.np>

LinkedIn: <https://www.linkedin.com/in/prashantpaneru>

Technical Skills

Languages: Python, C, C++, SQL

Libraries: Numpy, Pandas

Concepts: Data Structures & Algorithms, OOP, Mathematics

Frameworks: Django, DRF

Tools: Git, Selenium, Scrapy, BeautifulSoup

Familiar With: Docker, PostgreSQL, JavaScript

Projects

CtrlID - Python, Django, DjangoRestFramework, PostgreSQL

[live demo](#)

[Github](#)

(A productivity platform for team-based session tracking and analytics)

- Built a productivity platform enabling teams to create password-protected study/work rooms with real-time session management and comprehensive analytics dashboard
- Developed 3 **custom Django middleware** components including automated session termination based on configurable deadlines, user activity tracking for last-online status, and admin-only URL protection with 404 responses for unauthorized access
- Implemented advanced Django features including **custom signals** for automated notifications, role-based access control with **custom mixins** (MemberRequired, AdminRequired, NotDemoUser), and custom database migrations for complex data transformations
- Designed comprehensive REST API with Django REST Framework featuring **custom permission classes** for member-only, admin-only, and public endpoints with proper authentication and authorization
- Created dual-leaderboard system with room-level and session-level rankings, automatic score calculations, and real-time updates for competitive productivity tracking
- Built interactive statistics dashboard displaying personal performance metrics, session analytics, and room statistics with chart visualizations and historical data analysis
- Engineered automated session lifecycle management with middleware-powered deadline monitoring, auto-termination functionality, and real-time status updates across all connected users
- Implemented seamless **demo experience** with one-click login featuring pre-populated rooms, sessions, and todos for immediate feature exploration without registration barriers
- Achieved comprehensive test coverage with **120+ test cases** covering models, views, APIs, custom middleware, signals, permissions, and data migrations ensuring code reliability and maintainability

Other Projects: [AutoCV \(Automatic CV maker\)](#), [saysomething \(Django Social Media Web Application\)](#), [L-in-discord \(discord bot\)](#) and more

Professional Experience

Software Developer Freelancer

Sept 2023 — Current

Parsedom & Fiverr

- Worked in Web development, Web scraping and bot building.

Software Developer Intern

July 2023 — Sept 2023

Parsedom: Toronto, Canada

- Developed data scraping tools for 20+ websites to streamline data collection for Parsedom projects.
- Contributed to the backend of a project that entailed developing a sophisticated web application using the Django framework.
- Wrote new blogs and improved existing blogs

Education

Patan Multiple Campus

Bachelors in Information Technology

2023- current

3.55/4

Achievements

- First Runner up in Ascol Hackathon 2024
- TechLead in BITClub Patan