ANUJ KUMAR

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⊙ https://github.com/Anujpandey12345

Technical Skills

Frontend Skills: HTML5, CSS, JavaScript
Backend Skills: Python, Django, Celery, RabbitMQ, Redis, Flask, DRF, PostgreSQL
Programming Languages: C, C++, Python, JavaScript
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Cursor, Pycharm, Turbo C++
Technologies/Frameworks: GitHub, Docker, Linux, Zookeeper

Projects

College ERP System | *Python, Django, PostgreSQL, JavaScript, HTML/CSS* ⊙ GitHub ⊕ Live Demo **July 2025 – Present**

- Engineered a full-stack ERP system with modules for attendance, student, and staff management, serving a user base of 50+.
- Implemented a secure authentication system using JWT, integrating two-factor authentication (2FA) and Google OAuth for enhanced security.
- Designed and optimized PostgreSQL database schemas, improving query performance by approximately 30%.
- Deployed the application on Render, ensuring high availability and scalable performance.
- Developed RESTful APIs and front-end interfaces using Django and modern JavaScript frameworks, improving user interaction and data flow.

High-Performance Chat Room Server | *C++, Sockets, Threading, Boost::Asio* ⊙ GitHub **Aug 2025 – Present**

- Designed and built a low-level chat server using asynchronous I/O with Boost::Asio to handle real-time communication for multiple concurrent clients.
- Implemented a custom text-based protocol for client-server communication and managed concurrency with threading, ensuring data consistency and preventing race conditions.
- Applied Object-Oriented Design principles to create a modular and scalable architecture, facilitating easy feature extension.

Expense Management System | *Python, Django, HTML, CSS, JavaScript* **Jan 2025**

- Developed a user-friendly web application that allows individuals to track, categorize, and visualize their personal and household expenses.
- Integrated dynamic charts and reports to provide insightful analytics on spending habits, enabling users to set budgets and monitor savings.
- Implemented secure user authentication and personalized dashboards using Django, ensuring data privacy and tailored user experiences.
- Structured the application with a clean MVC architecture, separating concerns and improving maintainability and scalability.

Other Technical Skills

- Data Structures
- Operating System
- Algorithms Analysis
- Database Management
- DBMS
- Internet Technology
- Computer Architecture

Education

IMSEC Ghaziabad **Sep 2024 – Present**
Master of Computer Applications *Kanpur, Uttar Pradesh*

SIGNA **Sep 2021 – July 2024**
Bachelor of Computer Applications *Kanpur, Uttar Pradesh*

Certifications

Python Programming – Greatlearning Dec 2023

C++ Essential Training – LinkedIn Jun 2025

Python Django Developer – Simplilearn Jun 2025

GFG 160-Day Challenge – GeeksforGeeks Sep 2025