

ANUJ KUMAR

Backend Developer — Software Engineer

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Technical Skills

Programming Languages: Python, C++, C, JavaScript
Backend Technologies: Django, Flask, Django REST Framework, FastAPI
Databases: PostgreSQL, MySQL, SQLite, Redis
Frontend Technologies: HTML5, CSS3, JavaScript, Bootstrap
Tools & Platforms: Git/GitHub, Docker, Linux, Google Cloud Platform, VS Code, PyCharm
Message Queues & Caching: Celery, RabbitMQ, Redis, Apache Zookeeper
Core Concepts: Data Structures, Algorithms, DBMS, Computer Networks, OOP, System Design

Professional Experience

Backend Developer Intern

Aug 2025 – Sep 2025

CodeAlpha

Remote, India

- Developed and optimized backend services using Django with PostgreSQL, improving response time by 30%
- Designed RESTful APIs for task management system with authentication and authorization modules
- Enhanced application performance through Redis caching, reducing database queries by 40%

Featured Projects

College ERP System | *Django, PostgreSQL, JavaScript, Bootstrap* 🐙 GitHub | 🌐 Live Demo Jul 2025 – Present

- Architected comprehensive ERP solution for educational institutions with role-based access control
- Implemented secure JWT authentication and OAuth integration for enhanced security
- Optimized database schema design resulting in 50% faster query execution for academic data operations
- Successfully deployed on Render platform with automated CI/CD pipeline and environment management

High-Performance Chat Server | *C++, Socket Programming, Multi-threading, Boost::Asio* 🐙 GitHub Aug 2025 – Present

- Built scalable multi-client chat server supporting 100+ concurrent connections using socket programming
- Implemented asynchronous I/O operations and custom protocols for efficient message handling
- Utilized multi-threading and synchronization techniques to ensure thread-safe operations and optimal performance

Task Management System | *Django, SQLite, Bootstrap, JavaScript* 🐙 GitHub

Aug 2025

- Created full-featured task management platform with CRUD operations and priority scheduling
- Designed responsive user interface using Bootstrap with intuitive user experience
- Implemented advanced filtering and search functionality for efficient task organization and retrieval

Education

Master of Computer Applications (MCA)

IMSEC Ghaziabad

Sep 2024 – Present

Ghaziabad, Uttar Pradesh

Bachelor of Computer Applications (BCA)

SIGNA College

Sep 2021 – Jul 2024

Kanpur, Uttar Pradesh

Certifications & Achievements

Python Programming Certification – Great Learning Dec 2023

C++ Essential Training – LinkedIn Learning Jun 2025

Python Django Developer Certification – Simplilearn Jun 2025

GeeksforGeeks 160-Day DSA Challenge – GeeksforGeeks Sep 2025