SANCHIT GUPTA

⬤ New Delhi, India   📞 +91 8384062087   ✉ [Mail](#)   💼 [LinkedIn](#)   🐙 [GitHub](#)   🌐 [Portfolio](#)

Education

Guru Gobind Singh Indraprastha University, Delhi   **2021 – present**
B.Tech in Electronics and Communications Engineering   *CGPA: 8.228 (Ongoing)*

Lovely Public Senior Secondary School, Delhi   **2017-2021**
Senior Secondary Education (CBSE)

Technical Skills

Languages: Python, C++, JavaScript, SQL, HTML, CSS
Developer Tools: Git, GitHub Actions, Postman, Docker
Technologies/Frameworks: Flask, FastAPI, Django, Pytest, Celery
Databases: SQLite, PostgreSQL, Alembic, Redis
Deployment: Render, Railway

Projects

Resource Garbage Management System | *Python, FastAPI, PostgreSQL, Redis, Docker, Celery, Railway*   Link
- Developed async file expiration using Redis Streams/TTL.
- Implemented JWT token authentication with Role-Based Access Control.
- Developed admin controls with audit logging and dynamic resource TTL configuration capabilities.
- Created SMTP email system with Redis Sorted Sets for time-based notification scheduling.
- Automated migrations via Alembic; containerized with Docker Compose and Deployed on Railway

Multi-Tenant SaaS Platform | *Python, FastAPI, PostgreSQL, Docker, Alembic, Render, Google OAuth2*   Link
- Built secure multi-tenant architecture using PostgreSQL schema isolation for data separation.
- Implemented JWT authentication with Google OAuth2 integration and role-based access control.
- Developed admin dashboard with audit logging and user management capabilities.
- Automated database migrations using Alembic for schema version control.
- Containerized application with Docker for consistent environment setup.

Social Media API | *Python, FastAPI, PostgreSQL, Alembic, Docker, GitHub Actions, Pytest, Render*   Link
- Developed REST API with CRUD operations, search, and pagination features
- Implemented JWT authentication and PostgreSQL database with Alembic integration
- Containerized application using Docker and achieved 40+ test cases with Pytest
- Configured CI/CD pipeline using GitHub Actions for automated deployments

Authentication Service | *Python, FastAPI, JWT, Google OAuth API, SMTP, PostgreSQL*
- Created email verification system with SMTP integration and JWT tokens
- Implemented password hashing using bcrypt for secure credential storage
- Integrated Google OAuth2 for third-party authentication flows

Certificates & Achievements

- **Postman Student Expert** (Postman)   *2025*
- **Introduction to Cybersecurity** (Cisco)   *2025*

Extracurricular

- Volunteered for National Service Scheme of the University for 2023 - 24 session, assisted in organizing several events and collaborated with various NGOs.
- Built a prototype seed-sowing robot using Arduino, achieving a 40% reduction in manual labor for small-scale farming.
- **LoreHub** — Authored a technical article on Python API design; drafting tutorials on FastAPI optimization and REST API best practices.