

SWAPNIL AGRAWAL

+91 9634959998 Ghaziabad ✉ swapnilagrawal259@gmail.com in [swapnil-agrawal](#) 📞 [swapnil-259](#) </> [swapnil_259](#)

EDUCATION

Bachelor of Technology, KIET Group of Institution

Information Technology (SGPA: 8.13) 2026

SKILLS

Languages	Python, JavaScript, TypeScript, Kotlin, SQL, C
Software Development	OOP, Design Patterns, REST APIs, WebSockets
Frameworks and Libraries	Django, Flask, React Native, Node.js, Bootstrap, Tailwind CSS
Databases	PostgreSQL, MySQL, MongoDB
DevOps and Tools	Docker, Nginx, CI/CD, Git, Firebase, Google Cloud Pub/Sub, Linux/Unix
CS Topics	Distributed Systems, Real-time Systems, Cloud Computing, Basic Cybersecurity

CERTIFICATES

- Microsoft Learn Cloud Skills Challenge: Basics of Cloud Computing and Getting Started with Azure
- 6 Cisco Certified Courses: Python Essentials 1 and 2, Intro to Cybersecurity, Networking Basics, CCNA modules

EXPERIENCE

Backend Developer – Team ERP

May 2023 – Present, KIET Group of Institutions

Django · Python · React Native · PostgreSQL · MySQL (phpMyAdmin) · Docker · Nginx · REST APIs

- Designed and developed ERP system backend for managing admissions, attendance, hostel, and payroll for 10,000+ users
- Improved API performance by 40% and achieved 99.9% uptime through efficient code and deployment pipelines.
- Led deployment of event management systems using Docker, Nginx, and REST APIs, enhancing campus digitalization.

Full-Stack Developer – Educator’s Labs (Internship)

Jan 2025 – Mar 2025, Kolkata

Flask · MongoDB · Google Cloud Pub/Sub · GCP

- Developed real-time push notification system using Flask and Google Cloud Pub/Sub.
- Enhanced API reliability by 30% through backend workflow optimizations and continuous integration.

PROJECTS

KIET ERP ([See Here](#))

- Developed ERP system with a team of 20 members which includes 2 web portals and 3 android apps
- Live Project used by the students and employees of KIET Group of Institutions (7500+ users)

Mobi KIET - Student portal App ([See Here](#))

- Improved application performance by fixing bugs and optimizing code.
- Applied new features such as question-wise mark breakdowns and a digital archive of past papers.

Predine-Food Delivery Portal ([See Here](#))

- Developed a full-stack food ordering mobile application using React Native (frontend) and Django (backend), enabling users to seamlessly schedule and track food orders.
- Integrated secure payments and real-time orders, enhancing user experience and ensuring smooth functionality.

ACHIEVEMENTS AND EXTRACURRICULARS

- Strong understanding of Data Structures, Algorithms, OS, OOP (CS Fundamentals).
- President of Team ERP, leading end-to-end development and deployment of enterprise-scale solutions, mentoring peers, and driving innovation in distributed systems.
- Achieved recognition as a Semifinalist in Flipkart Grid 7.0, a national-level engineering competition showcasing problem-solving and innovation skills.