

# Swapnil Agrawal

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## Education

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**B.Tech, Information Technology**

Expected 2026

*KIET Group of Institutions (CGPA: 8.13)*

## Courses & Certifications

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- **Cisco Python Essentials 1 & 2** – Cisco Networking Academy
- **Flipkart Grid 7.0 Semifinalist Certificate** – National-Level Engineering Competition

## Technical Skills

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**Frontend:** HTML, CSS (TailwindCSS, Bootstrap), JavaScript, TypeScript, React.js

**Mobile:** React Native, Android SDK, Firebase (Auth, FCM Notifications)

**Backend:** Python, SQL, PostgreSQL, Java

**DevOps/Tools:** Git, GitHub Actions (CI/CD), Docker, Google Cloud Pub/Sub, Linux

## Experience

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**Android Developer – Team ERP**

*May 2023 – Present*

- Developed and maintained **Faculty App** (200+ daily users) and **Student App** (5000+ downloads, 200+ reviews, **4.5 rating**).
- Debugged and fixed **50+ crashes/ANRs** (memory leaks, navigation issues), improving crash-free sessions by 10%.
- Reduced app startup time by **25%** through **bundle size optimization, code-splitting, and lazy loading**.
- Implemented a **QR-based event check-in system**, cutting registration time by **60%**.
- Collaborated with a team of **10 developers**, adopting **CI/CD workflows** to improve release cycle efficiency.

**Full-Stack Developer Intern – Educator's Labs**

*Jan 2025 – Mar 2025*

- Built a **real-time push notification system** for **1000+ users** using Pub/Sub.
- Developed a **chat feature** (1:1 + group) serving **1000+ active users**, ensuring reliable delivery and read receipts.
- Optimized API payloads and caching, reducing network calls by **30%** and improving app responsiveness.

## Projects

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**MobiKIET (Student App)**

[Play Store Link](#)

- Used by **5000+ students**; improved app rating from **3.8 → 4.5** by fixing crashes.
- Added new modules (**marks breakdown, exam archive**) increasing student engagement by **35%**.

**Predine – Food Delivery App**

[Play Store Link](#)

- Full-stack food delivery app (**React Native + Django, AWS**) processing **500+ beta orders**.
- Implemented **real-time order tracking**, secure payment integration, and JWT-based authentication.

**KIET Kaksha – Attendance App**

[Play Store Link](#)

- Adopted by **7500+ students/faculty**; digitized attendance workflows reducing manual work by **70%**.
- Integrated **Firebase Auth + Firestore**, enabling secure access and real-time updates.

## Achievements & Leadership

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- **President, Team ERP** – Led a **10-member team** delivering **3 production apps** used by **7000+ users**.
- **Flipkart Grid 7.0 Semifinalist** – Selected from **1,00,000+ participants** nationwide.
- Consistently delivered **React Native apps** with **10,000+ cumulative downloads** and **4.5+ Play Store ratings**.