

Sarthak

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Profile

Third-year CSE student at VIT specializing in Information Security with experience in building scalable applications using **Kotlin, Java (Spring Boot)**, and **C++**. Skilled in **RESTful API** design and integration, with a strong track record in hackathons and real-world projects.

Education

Vellore Institute of Technology, B.Tech in Computer Science and Engineering with specialization in Cyber Security Aug 2023 – Ongoing

- **CGPA: 8.52**
- **Relevant Coursework:** Data Structures, Algorithms, Computer Architecture, Object-Oriented Programming (OOP), Web Development

Projects

ViewGuard – TV Parental Control App GitHub

Kotlin, Spring Boot, PostgreSQL, React

- Reduced screen time by **30%** on **50+ devices** using time limits, category restrictions, and uninstall protection.
- Built **15+ REST APIs** in Spring Boot (JWT, role-based access, remote commands, scheduled tasks) for secure and scalable backend services.
- Developed a React + PostgreSQL dashboard for real-time analytics and app limit control with **100 ms latency**.

VakeelAI – AI-Powered Legal Assistant GitHub

Kotlin, Jetpack Compose, Google ML Kit (OCR)

- Built a client-side **MVVM** architecture enabling modular and scalable document analysis.
- Integrated **Google ML Kit OCR**, automating case detail extraction and reducing manual review by **60%+**.
- Designed an intuitive Jetpack Compose UI for dynamic parsing, highlighting, and case reference lookups.

Latch – Wi-Fi AutoAuth Client GitHub

Kotlin, Android, Retrofit, SharedPreferences, REST APIs

- Automated Wi-Fi authentication, reducing login time from **20s** to **600 ms (95% faster)**.
- Adopted by **100+ students daily**, handling **thousands of logins weekly** with a **99% success rate**.
- Implemented secure credential storage and background listeners for seamless, reliable auto-authentication.

Technical Skills

Programming Languages: Kotlin, Java, C++, Python, SQL

Frontend Development: Jetpack Compose, React, XML, HTML, CSS

Backend Development: Spring Boot (RESTful APIs, JWT, MVC), PostgreSQL, H2 Database, Firebase (Auth)

Development Tools: Git, GitHub, VS Code, Android Studio, IntelliJ IDEA, Postman, Vercel

UI/UX Design: Figma, Canva

Society and Organizational roles

Technical Committee member, VinnovateIT April 2025 – Present

- Built apps to automate and streamline college processes and maintained the club's official website.

Achievements

Google DSC WomenTechies: Top 5 finalist out of 800+ teams 2025

ClueMinati'24: 3rd place out of 200+ teams 2024

SIH Internal Hackathon: Finalist 2024