

# Samkit Jain

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## EDUCATION

Indian Institute of Information Technology, Bhopal

July 2023 – August 2027

B. Tech – Information Technology (IT)

CGPA 8.9

Relevant Coursework: **Data Structure & Algorithms, Object Oriented Programming**

## PROFESSIONAL EXPERIENCE

TheCarePal | App Development Intern

July 2025 – August 2025

- Architected and delivered a production-ready Android app in Jetpack Compose from scratch, achieving full feature parity with the iOS version and accelerating cross-platform release timelines by 25%.
- Revamped the CarePal App's onboarding flow utilizing Firebase analytics, decreasing new user churn by 12% and boosting user retention rate within the first three days.
- Integrated real-time **pedometer tracking**, nurse booking, and medication reminder modules, boosting overall user engagement and daily active usage by 20%.

Codame Student Club, IIIT Bhopal | CP team Member

December 2024 – July 2025

- Ranked among the **top 15** competitive programmers at IIIT Bhopal, earning the opportunity to join the Codame Student Club CP team and represent the college in programming competitions.
- Directed the planning and execution of **three campus-wide coding events**, attracting over 110 participants and fostering interest in competitive programming careers among attendees.
- Improved weekly participation in club contests by 40% through peer mentorship sessions.

## ACADEMIC PROJECTS

RentTrack | Jetpack Compose, Firebase, Hilt, MVVM, UserNotifications, Charts, WorkManager

[PLAY STORE](#)

- Developed a rent management Android application, streamlining tenant onboarding, automating invoice generation, and enabling **real-time transaction tracking** — reducing manual processing time by 40%.
- Automated rent reminders** via WorkManager, reducing missed payments by 45% month-over-month.
- Engineered a streamlined reporting module for the Android app, delivering statements directly to users; enhanced user experience by 20% and slashed report generation time by approximately 65%.
- Prepared a **CI/CD pipeline** with GitHub Actions for automated linting, unit testing (85%+ coverage), and nightly APK builds.
- Achieved a 98% crash-free user experience on the Play Store through lifecycle-aware architecture and robust error handling.

Email Spam Classifier | Streamlit, Python, Scikit-learn, NLTK, Pandas

[LIVE DEMO](#)

- Engineered** a machine learning web application to classify emails as spam or not spam with **97%+ accuracy**, improving reliability on real-world datasets.
- Created an end-to-end NLP pipeline** (tokenization, stopword removal, stemming, text preprocessing) to enhance model generalization and **reduce false positives by 30%**.
- Streamlined the data preparation workflow for the email classifier, accelerating model training by 25% and decreasing memory usage by 15%, facilitating quicker iteration and deployment.
- Deployed on Streamlit Cloud**, ensuring **scalable, globally accessible**, and installation-free usage.

CameX App | CameraX, TensorFlow lite Model, Kotlin

[GITHUB](#)

- Designed an **AI-powered camera** app enabling real-time object and landmark detection using TensorFlow Lite models, achieving over **92% detection accuracy** across varied lighting and angles.
- Integrated **CameraX API** to facilitate seamless photo and video recording within the application, decreasing media storage footprint by 15% through efficient local file handling and lifecycle-aware component management.

## ACHIEVEMENTS

- Won 1st place at IIIT Bhopal's project competition for developing [GeoLog](#), a location-based logging solution improving data traceability.
- Achieved a **3-star rating on CodeChef**, with a top performance of **1630**, demonstrating consistent high performance in global contests.
- Solved **1000+ competitive programming problems** across leading platforms, and completed **700+ DSA-focused problems** on LeetCode and GeeksforGeeks, highlighting advanced understanding of DSA.

## TECHNICAL SKILLS

- Programming Languages:** C++, Kotlin, JavaScript, SQL, HTML5, CSS3
- Frameworks & Libraries:** Node.js, Express.js, Jetpack Compose, Coroutines, Hilt, Firebase
- Databases:** MySQL, Firebase Firestore, Realtime Database
- Developer Tools:** Git, GitHub, VS Code, Android Studio, Linux/Unix, JSON