

Sanskar Agrawal

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Experience

Ikanshy Innovations, Lucknow

Nov 2021 – Ongoing

Software Engineering Consultant

- Currently building integrated solutions for optimizing the retail shopping experience targeted at daily consumers.

Mash Games, Bengaluru

June 2021 – Aug' 2021

Android Development Intern

- Singlehandedly designed, implemented, and deployed 2 swipe-and-play game collection apps for Android.
- Ported the UI of a graphic media management app with end-to-end encryption from iOS to Android.
- Maintained the Kanban project board and wrote clear documentation for implementation of various features.

The Sparks Foundation, Singapore

June 2021

Mobile Development Intern

- Wrote a bank transaction simulator for Android with Material UI and offline persistence.
- Built and published a social media profile aggregator using Firebase with Google and Facebook profile integrations.
- Published detailed posts describing the nature and workings of the application along with open sourcing the entire codebase.

Education

Babu Banarasi Das University, Lucknow

July 2018 - Ongoing

Bachelor of Technology in Computer Science and Engineering

8.9/10 GPA

- Tech Lead of e-Pingala Software Development Center

Projects

Snippets (Android & Web)

Ongoing

Social platform for developers where they can share and discover dedicated pieces of code for specific functions. Tech stack distributed over 15+ technologies to allow platform to handle 100k+ concurrent users.

Ashwini (Android)

Android app for 1M+ doctors to share and find Covid-19 infected patient treatment histories so that others can take advantage of their experience and provide the best possible treatment. Current plans to pull data of over 50,000 patients with unique histories.

Transactions (Android)

Native transaction manager for Android featuring Material Design 3 based UI and color coded income/expense tracking + total balances along with a dashboard featuring different charts and stats easily accessible via app launcher shortcuts. Over 100+ DAUs with new versions being published on GitHub Releases which are checked automatically on app launch.

Phonebook-GUI (Windows/Linux)

Contact management app with multi-user support. SHA-256 encrypted user credentials and < 0.1 ms operational speed.

Skills

- Proficient in Android Development with Kotlin/Java in MVC/MVVM arch and Material Design coupled with Firebase for backend capabilities
- Familiar with Desktop Development in C/C++ for CLI and Python3 coupled with Tkinter for GUI
- Well acquainted with development tools like Git, GitHub, Shell, Linux, VS Code, and various IDEs
- Informed in multiple relational and NoSQL databases such as SQLite3, Postgre, MongoDB Realm and Redis for caching along with REST APIs.
- Elementary knowledge in Cloud Native Computing and deployment with AWS and GCP
- Familiarity with Web Development using HTML5, CSS3 and Python3 (Django)

Memberships

- Member, Google Developers Group (Lucknow)
- Member, Google Developer Student Club (BBDNITM, Lucknow)
- Member, The Institution of Engineers (Kolkata)

Extracurricular

- Mentor, CS50's New Year's Seminars on Python, SQL and Linux, Harvard University
- Attended by 250 students from across the world
Jan' 2021 – Feb' 2021
- Hub Organizer, Google's HashCode Coding Competition 2021 (Rank in India 82 out of 200 + Teams)
Feb' 2021