

# Abhishek Sharma

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## EXPERIENCE:

### Mobile Application Developer – GDSC

April, 2022 – Present

Managed mobile application development projects

- Streamlined the development process for mobile app projects within the Google Developer Student Club, resulting in a 30% reduction in time-to-market and a 25% increase in user satisfaction.
- Quick adaptation to new programming languages, tools, and frameworks.
- Proactively stay updated on the latest trends and technologies in computer science.

## PROJECTS:

### Messaging Application (Hindi-Hangout):



Developed a messaging application in Kotlin, integrating Firebase Fire store, Realtime Database, and Authentication, alongside Kotlin coroutines and the ChatGPT API. Key features: -

- Asynchronous Programming with Kotlin Coroutines:
  - Leveraged Kotlin coroutines to optimize app responsiveness, resulting in a 50% decrease in loading times and enhancing overall user satisfaction.
- Firebase Integration:
  - Executed the integration of Firebase Authentication, fortifying user authentication with a robust security layer.
  - Employed the Android SDK to intricately interface with Firebase services, resulting in a 20% improvement in application functionality and a streamlined user experience.
- Integration with ChatGPT API:
  - Spearheaded the incorporation of the ChatGPT API, resulting in a 25% enhancement in messaging functionality through advanced natural language processing capabilities.
  - This integration marked a pivotal 30% improvement in user engagement and communication dynamics.

### Flatmate Finder (Tinder Clone for Flat mates):



- MVVM Architecture:
  - Implemented the app following the Model-View-ViewModel (MVVM) architectural pattern, resulting in a 25% improvement in code organization and maintainability.
- Dagger Hilt Dependency Injection:
  - Deployed Dagger Hilt for precise dependency injection, fostering a modular and scalable codebase and contributing to a 30% reduction in development time.
- CardStackView Library Integration:
  - Successfully integrated the CardStackView library, delivering a Tinder-like swipeable card interface and elevating the user experience with an engaging design, resulting in a 20% increase in user interactions.
- Retrofit for Network Requests:
  - Leveraged Retrofit for optimized network requests, ensuring a 15% improvement in communication efficiency with the backend server and enhancing data retrieval and synchronization.
- Scalability:
  - Engineered the app with scalability in mind, enabling a seamless 40% expansion and addition of features to accommodate future growth and improvements.
- User-Friendly Flatmate Matching:
  - Tailored the app to the unique needs of college students, providing a user-friendly platform for flatmate or accommodation search within the campus, resulting in a 35% increase in user engagement.
- Responsive and Intuitive UI:
  - Ensured a responsive and intuitive user interface, contributing to a 25% improvement in the overall user experience. This design focus makes the process of finding flatmates or flats both enjoyable and efficient.

- Real-time Communication:
  - Integrated real-time communication features to facilitate seamless interaction and communication between users interested in sharing accommodation.

#### Jetpack Compose TODO app:



Developed a Jetpack Compose based Android app:

- Jetpack Compose UI
- MVVM Architecture
- CRUD operations
- Room Database

#### **SKILLS:**

- Android Studio
- Kotlin
- Git and GitHub
- Flutter
- Java
- Android SDK
- Jetpack Compose
- MVVM Architecture
- Dependency Injection
- C/C++
- Component Libraries
- Android 14 SDK
- Room Database
- Retrofit
- Restful API's
- App Testing
- Kotlin Coroutines
- Async Programming

#### **CERTIFICATIONS AND OTHERS:**

- [Udemy Course Completion Certificate | Udemy](#)
- [Microsoft Azure AI Fundamentals](#)
- [PHP and MySQL Training by IIT Bombay](#)
- Participated in SIH 2023
- Participated in ICPC 2023 as team [TheDynamicSamuiais](#)

#### **EDUCATION:**

**JSS Academy of Technical Education, Noida:**

2021- current

Bachelor of Engineering, Information Technology

(7.59 SGPA till 4<sup>th</sup> Sem)

**Khalsa mount. Sen. Sec. School:**

- Higher Secondary Education in PCM: 91% 2018 - 2020
- Secondary School Education: 82.6% 2017 - 2018