Atul Rajendrakumar Upadhye ([Portfolio](#))
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WORK EXPERIENCE

SiriusXM | Oakland, CA, USA | Mobile Software Engineer Intern (Summer Internship)   **May 2023 – Present**

- Utilized Android Jetpack Compose to design and develop engaging and modern mobile applications during a summer internship as a Mobile Software Engineer.
- Leveraged Figma to create visually appealing and user-friendly app interfaces, ensuring a seamless user experience.
- Demonstrated proactive initiative by presenting investigative findings and proposed solutions, contributing to the overall improvement of the development process.
- Developed reusable components for music streaming applications, optimizing code reusability and improving development efficiency.
- Showcased expertise in leveraging Kotlin Flows and Coroutines to handle asynchronous operations and streamline data flow within the applications.
- Implemented the MVVM (Model-View-ViewModel) architecture pattern to enhance code organization, maintainability, and separation of concerns within mobile applications.
- Collaborated effectively with the development team, actively participating in code reviews, brainstorming sessions, and team meetings to drive project success.

TNG Innovations Labs | Bangalore, India | Software Engineer Mobile   **Aug 2020 – Dec 2021**

- Utilized the Flutter SDK to design and develop mobile applications that seamlessly functioned across Android and iOS platforms, demonstrating proficiency in both cross-platform development and Android-specific development using Kotlin/Java.
- Engaged in close collaboration with the Hardware team to create applications for Android Embedded devices, enabling data retrieval from Trucks, Cars, and other vehicles through the utilization of OBD and CAN protocols.
- Developed custom Android ROMs for tailor-made Android devices, showcasing expertise in custom firmware development.
- Employed the Clean Architecture and Dependency Injection (specifically Dagger) principles to construct robust Android applications.
- Successfully deployed applications on the Play Store, while actively addressing bug fixes and implementing improvements to ensure optimal user experiences.

Tork Motors Pvt Ltd | Pune, India | R&D Engineer Mobile   **Sep 2019 – Jan 2020**

- Successfully initiated and spearheaded the development of a Bike App from the ground up, demonstrating proficiency in both design and implementation of the application architecture. Implemented robust server data fetching capabilities to provide users with comprehensive Bike Information and Trip History. Additionally, integrated Google Maps SDK to enhance the user experience by displaying interactive Trip Routes.
- Leveraged the Clean Architecture approach and utilized Dependency Injection, specifically Dagger, to develop robust Android applications in Java.

Neva Innovations Labs | Bangalore, India |Software Engineer Mobile   **Aug 2018 – Sep 2019**

- Took on a key role in addressing bug fixes and implementing enhancements for mobile applications.
- Utilized BLE technology to develop an innovative app for Keyless Car Entry.
- Collaborated closely with the Hardware Team to design and develop custom ROMs tailored specifically for Android devices.

EDUCATION

The University of Texas at Arlington   **Arlington, TX, USA**
Master of Science, Computer Science: GPA: 3.636   Jan 2022 – Present
Shivaji University   **INDIA**
Bachelor of Engineering, Information Technology   August 2014 - July 2017
MSBTE   **INDIA**
Diploma, Computer Science and Engineering   August 2011 - July 2014

PROJECTS

Expense Manager   **Aug 22 – Dec 22**

Developed an Android app, Expense Manager, for effective expense management as part of coursework. Implemented MVP architecture following Material Design guidelines for an appealing user interface. Utilized Dagger for Dependency Injection to enhance maintainability and testability. Employed Room DB to efficiently store and retrieve expense data. Integrated Firebase Crashlytics for real-time crash reporting, ensuring a seamless user experience.

E-Commerce Application [Play Store Link](#)   **May 2020**

I developed and deployed an Android app for offline businesses to transition online during the COVID pandemic. The app, created using Java, was successfully published on the Google Play Store for Android users. I implemented PHP and MySQL to develop efficient APIs for seamless product retrieval. Additionally, I designed an intuitive Admin Dashboard using HTML, CSS, and Bootstrap for effective management of products and orders. The Admin Dashboard and APIs were deployed on Hostinger, ensuring reliable accessibility and smooth operations.

TECHNICAL EXPERTISE

Programming Languages: Java, Kotlin, Python, Dart, C, C++.
Android Specific: Android Jetpack Libraries, JetPack Compose, Kotlin Coroutines, Flows, WorkManager, SQLite, Room DB.
Areas of Expertise: Mobile Application Development, Cross-Platform, Native Application Development, Material Design, Flutter SDK
Architecture: Clean, MVC, MVVM, BLOC/Cubit (Flutter).