

# Arjun Mehta

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## Education

**University of Waterloo, Honours Computer Engineering**, *2x Excellent Academic Standing* Sep 2019 - Present

- Scholarships: President's Scholarship of Distinction (\$2000) for admission average greater than 95%.
- Relevant Courses: Programming, Algorithms and Data Structures, Systems Program & Concurrency, Operating Systems.

## Experience

**Incoming Software Engineer Intern (Mobile/Frontend), Shopify**, *Waterloo, Canada* Present

- Returning to Shopify as a mobile/frontend engineer intern to work on the Shop app using React, React Native & GraphQL.

**Software Engineer Intern (Mobile), Shopify**, *Waterloo, Canada* Jan 2022 - Apr 2022

- Integrated hardware devices (Barcode Scanners, Printers, Card Readers) in Shopify POS used by 100,000+ merchants.
- Refactored the Scanner SDK React Native package to support multi-vendor connections for up to 2 barcode scanners.
- Developed bridging modules to support code interaction between the React Native layer and native Android/iOS layers.
- Boosted developer productivity by revamping the UI of the RN Packages internal tool utilized by 90+ developers weekly.

**Software Engineer Intern (Android), Accedo**, *Toronto, Canada* Sep 2021 - Dec 2021

- Engineered video-streaming solutions based on Google ExoPlayer for Android, Android TV and Fire TV applications.
- Introduced project-wide Dependency Injection using Koin library allowing 70% data classes to be mock-data testable.
- Developed and presented the Phase 2 POC of the MetaBet live sports betting app to teams across 15 countries.
- Coded 10+ new features to support Podcast playback in Sensical, a non-profit video streaming application for kids.

**Software Engineer Intern (Android), The Home Depot**, *Toronto, Canada* Jan 2021 - Apr 2021

- Added new features and improved codebase in multiple projects, including a flagship Shopping App with 500,000+ users.
- Pushed the app's rating from 4.3 to 4.4 and ensured a crash-free rate of 99.98% by fixing crucial bugs and crashes.
- Pioneered a re-usable text-field component by developing a custom Kotlin class saving developers 5+ hours per sprint.

**Software Engineer Intern (Mobile), Excel Design Technologies**, *Remote* May 2020 - Aug 2020

- Developed a shopping and services app for Android using Java and Kotlin resulting in 20% increased software sales.
- Integrated Retrofit to accommodate RESTful API calls, followed MVVM architecture and a Shared ViewModel.
- Enabled multi-threading and AsyncTasks, set up a user sign-up and sign-in flow using Firebase Authentication.

## Projects

**CoinFacts, Mobile App, Typescript**, *github.com/arjunmehtaa/CoinFacts* April 2022

- Developed a feature-rich cryptocurrency tracking app for Android and iOS using React Native, Expo and React Navigation.
- Utilized CoinGecko API for live crypto data, News API for latest news, and Firebase Authentication for user sign-up/sign-in.
- Implemented cloud-based Watchlist using Firebase Realtime Database and Search functionality with trending market data.

**PokéFacts, Mobile App, Kotlin**, *arjunmehta.me/pokefacts* Nov 2021

- Created a Pokémon Database app for Android based on Clean Architecture Principles paired with MVVM architecture.
- Integrated Retrofit for making calls to PokéAPI, Koin for Dependency Injection, and Room Database for storing Pokémons.

**SaveTheDish, Mobile App, Kotlin**, *arjunmehta.me/savethedish* Oct 2021

- Designed a clean and minimalist recipe management app for Android and shipped it to the Google Play Store (5.0 rating).
- Implemented the functionality to sort through dishes stored in an SQLite database based on list of available ingredients.

**GlitchPapers, Mobile App, Java, Kotlin**, *arjunmehta.me/glitchpapers* Sep 2021

- Programmed a multi-activity wallpapers app for Android with online image retrieval through Firebase Cloud Storage.
- Teamed up with a graphic designer to provide 100+ self-designed wallpapers, formulated an In-App Purchase model.

## Skills

**Programming Languages:** Kotlin, Java, C, C++, Dart, JavaScript, TypeScript, Python, Swift, Ruby, SQL

**Tools and Technologies:** Android, iOS, React, React Native, Flutter, GraphQL, APIs, Linux, MySQL, Rails