

# Dhruv Shrivastava

iOS Engineer

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## Experience

### Swipe (YC S21)

SDE - I (iOS)

🔗 <https://bit.ly/swipe-ios>

Jan 24 - Present  
Hyderabad, Telangana

- Founding member and responsible for architecting and building the iOS app for Swipe from scratch.
- Used **Kotlin Multiplatform (KMP)** to reuse business logic from the existing Android codebase.
- Used concurrency to handle complex calculations, making the invoice creation flow **2.5x faster** than existing Android app.
- In stress test, iOS version can gracefully handle **150X more** products in an invoice (with calculations) than Android & Web.
- Developed comprehensive design libraries to standardize UI components, ensuring consistent branding and faster feature rollouts.
- Implemented real-time WebSocket communication in the mobile app, enabling instant synchronization with the web platform for a cohesive multi-device experience.

### Google Summer of Code, MIT App Inventor

iOS Developer

🔗 <https://summerofcode.withgoogle.com/programs/2023/projects/aeUHF4rl>

April 23 - Sep 23  
Remote

- Developed and enhanced various essential iOS components, including **File**, **CircularProgress**, **LinearProgressbar**, and **Snackbar**, ensuring smooth and interactive user experiences.
- Designed and implemented user-friendly interfaces for key components such as **TabLayout** and **CardView**, optimizing navigation and visual appeal.
- Implemented advanced functionality for applications through components like **Barometer**, **MagneticFieldSensor** and **ProximitySensor**, adding valuable features and enhancing user engagement.
- Successfully integrated system-level functionalities by working on **WiFiAdmin**, **BluetoothAdmin**, and **FingerPrint** (Touch ID and Face ID), improving connectivity, security, and overall user satisfaction.

### Coderoofs IT Solutions

iOS Developer Intern

🔗 <https://coderoofs.com/>

October 22 - Feb 23  
Remote

- Developed iOS mobile applications from design to deployment, ensuring high quality and performance standards were met.
- Worked collaboratively with design teams to identify and define app features that met customer needs and expectations.
- Proactively identified and resolved potential problems and bottlenecks during the development cycle to deliver polished, bug-free applications.

## Projects

### Crypto Tracker

Ultimate cryptocurrency companion written in Swift for real-time market data, secure portfolio management, and seamless user experience.

🔗 <https://github.com/dhruvshrivastava18/CryptoTracker>

- Developed a professional cryptocurrency app with real-time market data for efficient market tracking.
- Implemented robust technical features, including **MVVM** Architecture and **Combine** framework, ensuring seamless data flow and communication.
- Offered a dynamic user experience with customisable themes and animations while ensuring safety and data persistence through **Core Data** and **FileManager**.

## Skills

### Technical Skills

Swift, SwiftUI, C++, Python, Git, UIKit Framework, Xcode, Cocoa Touch, MVC, MWM, CoreML, Core Data, Core Animation, User Notifications, Firebase., Kotlin, KMM

## Education

### Shri Mata Vaishno Devi University

Computer Science

CGPA: 8.2/10

2020 - 2024  
Bachelor of Technology