

# 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:** Architected and developed the iOS app for **Swipe**, leveraging **Kotlin Multiplatform** to share business logic with **Android**.
- Enhanced **performance** by implementing **concurrency**, achieving a **2.5x faster** invoice creation flow and handling **150x more products** per invoice than Android and Web.
- Standardized **UI components** through comprehensive **design libraries**, ensuring consistent branding and rapid feature deployment.
- Enabled **real-time synchronization** with the web platform via **WebSocket communication** for a seamless multi-device experience.
- Implemented **persistence** on the main **Create Bill** screen, significantly improving **speed** and **responsiveness**.

### Google Summer of Code, MIT App Inventor

iOS Developer

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

April 23 - Sep 23

Remote

- Implemented iOS components including **File**, **CircularProgress**, **LinearProgressbar**, and **Snackbar** with reusable, modular architecture.
- Integrated hardware features using **Barometer**, **MagneticFieldSensor**, and **ProximitySensor** via Core Motion and Core Location.
- Built custom UI elements like **TabLayout** and **CardView** for structured and scalable design systems.
- Added system-level support for **WiFiAdmin**, **BluetoothAdmin**, and biometric auth via **Touch ID** and **Face ID** using **LocalAuthentication** and **CoreBluetooth**.

### Coderoofs IT Solutions

iOS Developer Intern

<https://coderoofs.com/>

October 22 - Feb 23

Remote

- Developed iOS applications **end-to-end**, from **UI implementation** to **deployment**, following best practices for **performance** and **code quality**.
- Collaborated with **designers** to translate product requirements into functional features, gaining experience in **cross-functional teamwork**.
- Identified and resolved **bugs** and **performance bottlenecks** during development, improving **debugging** and **optimization skills**.

## 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