

# Hekmatullah Amin

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## EDUCATION

### Savitribai Phule Pune University

Pune, India

B.S. in Computer Application

GPA: 3.78

- **Related Coursework:** Data Structures & Algorithms, RDBMS, **Object-Oriented Programming**, Statistics & Financial Accounting, UI/UX, Software Testing, Mobile Application Development, AI, HTML, CSS, Python, and Java programming.

## WORK EXPERIENCE

### Open Source Software Developer

Mifos Initiative (Remote)

December 2024 – Present

- Migrated 10+ core financial modules to **Kotlin Multiplatform**, enabling **Android/iOS/Desktop/Web** support and clean architecture adoption.
- Developed reusable UI components with Jetpack Compose and CMP, ensuring responsive customer experiences.
- Developed and maintained **CI/CD pipelines** with **GitHub Actions**, integrating **DevOps** best practices for automating releases for **Firebase**, **Play Store**, and **App Store**.
- Integrated **RESTful APIs** with Fineract, mentoring 10+ contributors, and contributed 100k+ lines of code across 80+ PRs.

### Google Summer of Code Intern

Mifos Initiative (Remote)

June 2025 – September 2025

- Implemented biometric authentication for iOS in a cross-platform Compose Multiplatform passcode library, improving security for mobile apps.
- **Created CI/CD pipelines** to automate distribution of the **Kotlin Multiplatform Desktop app**, enabling seamless one-click releases to the **Mac App Store**.
- Built unit tests with **JUnit** and **Mokkery**, laying the foundation for scalable **automated testing**.

## PROJECTS

### BookFinder

December 2024

- Developed a cross-platform book search application for Android, iOS, and desktop using Kotlin Multiplatform and Jetpack Compose, following **MVI** architecture for predictable state management.
- Integrated RESTful APIs using Ktor, and used Kotlin Coroutines for asynchronous data handling.

### OffNews

October 2024

- Built an offline-first Android news app with automatic synchronisation using **Jetpack Compose**, **Room** and **Dagger Hilt**.
- Designed adaptive layouts for various device sizes, with 3 distinct **Data**, **Domain**, and **UI** layers to reduce maintenance.

### Little Lemon

August 2024

- Engineered an e-commerce app using **MVVM architecture** with Jetpack Compose, featuring secure user authentication and a smooth checkout flow.
- Wrote 100+ **unit and UI tests** using **JUnit** and **Espresso** to ensure application validation and a bug-free deployment.

## VOLUNTEER

### Borderlands

Bristol, England

IT Support Technician

April 2024 – June 2024

- Rebuild the organisation's IT and computer help desk team.
- Conducted weekly internet skills workshops, training over 15 participants, with 100% reporting improved proficiency.

## SKILLS AND CERTIFICATIONS

**Programming Languages:** Kotlin, Java, SQL.

**Mobile Developments:** Compose Multiplatform, Jetpack Compose, Kotlin Multiplatform, MVI, MVVM, REST APIs, Ktor, Retrofit, JSON, Coroutines, Koin, Dagger Hilt, Firebase, Room, XML.

**DevOps & Tools:** GitHub, Git, GitHub Actions, CI/CD, Gradle, Fastlane, Jira.

**Testing:** UI Testing, JUnit, Navigation Testing, Mocking.