



Avi Wadhwa

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TECHNICAL SKILLS

Languages: Swift, Python, Java, Kotlin, SQL (SQLite), JavaScript, HTML/CSS**Frameworks:** SwiftUI, UIKit, Flask, JUnit, CoreData**Developer Tools:** Git, VS Code, XCode, IntelliJ, Android Studio

EXPERIENCE

iOS Developer Intern: VLC Media Player

June 2023 – August 2023

*Google Summer of Code Student at VideoLAN**Remote*

- Implemented Siri voice-controlled media playback by integrating the Apple Intents framework, enhancing user accessibility and interaction with VLC Media Player.
- Developed a "Recently Watched" view using UIKit, enabling users to easily access their viewing history.
- Enhanced the interface by applying the delegate pattern to existing components, resulting in more detailed components such as the Delete alert and Settings panel.
- Contributed significantly to the VLC iOS Codebase by identifying and fixing multiple UI-related bugs, leading to a more reliable media playback experience for users.

Android App Store Development Intern

June 2022 – July 2022

*Floydwiz Technologies/Primebook Laptops**New Delhi, India*

- Created the user interface for managing pending app updates in Android XML Layouts.
- Upgraded the search view's model in Kotlin to reflect the installation status of the respective application and prevent repeat installations.
- Integrated the App Store with Android's Download Manager interface to enable background downloads and seamless installs.

High School Intern

May 2019 – July 2019

*Shipsy Logistics**New Delhi, India*

- Scraped WhatsApp's Web interface in Selenium-Python to automate WhatsApp chats with clients.

PROJECTS

Spotify Friend Activity | *SwiftUI, Swift, JSON, Apple Keychain, WidgetKit, Rest API*

June 2020 – Present

- Created an intuitive user experience bringing Spotify's Friend Activity feature to the iOS platform.
- Upheld security standards by implementing Keychain & Spotify WebView Login for secure credential storage.
- Designed and integrated a widget feature, offering a quick and accessible way for users to view their friends' music activity directly from the iOS home screen.
- Leveraged Swift concurrency to asynchronously interact with Spotify's Rest API, ensuring real-time updates.
- Available on the App Store, empowering 30,000+ users to stay connected with their friends.

LibreHunt.org | *JavaScript, Bootstrap, Python, Flask*

May 2018 – May 2020

- Published an educational website to promote use of Linux, maintaining a curated list of Linux distributions.
- Employed algorithms to analyze user responses and provide personalized Linux distribution recommendations.
- Featured on Forbes as "Top Tool To Find Your Perfect Linux OS".
- Generated 95,000+ suggestions since launch.

File Organizer for Linux | *Python, GTK, Flatpak, Linux*

May 2018 – May 2020

- Designed an intuitive and user-friendly interface for file management.
- Ensured safe cross-distribution availability by packaging and publishing as a sandboxed Flatpak application.
- Streamlined file organization for 5000+ users.

EDUCATION

University of British Columbia

September 2021 - September 2025

*Bachelor of Science in Computer Science; GPA: 3.70**Vancouver, BC*