

Aman Kumar

Uttar Pradesh, India ✉ amankumarmicro@gmail.com ☎ +918802079522 in <https://www.linkedin.com/in/amankumar035/> 🌐 <https://firelord.github.io/>

EXPERIENCE

App Development Intern | AppSuccessor Media Pvt. Ltd | Noida, UP | September 2023 - Present

- Developed an iOS [Soundscape app](#) with **SwiftUI** and **MVVM architecture**, featuring soothing **music playback** and podcasts. Integrated **Firebase** for secure login and **Firestore** and **CoreData** for data management.
- Developed Android [PDF Scanner app](#) with advanced features such as scanning, editing, and offline organization. Utilized **CameraX**, **OpenCV**, **File handling**, **Hilt**, **Room DB in MVVM architecture**. Implemented custom image manipulation for easy adjustment of scanned images.
- Developed [Trakeat](#), a calorie tracking app with **Firebase authentication**, **Firestore**, **Room DB**, **MPAndroidChart**, and **Retrofit** with **SSL pinning** for secure API calls. Followed **MVVM architecture**, collaborated with UI/UX designer to implement custom UI design from Figma.
- Developed Trakeat's backend for exercise and food info using **Node.js**, **Express.js**, and **MongoDB**. Hosted on **Linux server** with Apache, implemented API key for basic security.
- Converted a popular clock app [ClockMaster](#) with various themes to **MVVM architecture**, resolving bugs for enhanced stability. The app, boasting over **5k downloads**, offers a seamless user experience with diverse themes and improved architecture.
- During my internship, I improved development processes by suggesting enhanced approaches to initial designs, saving time and boosting team efficiency.

EDUCATION

B.Tech - Computer Science and Engineering | IMS Engineering College, AKTU | Ghaziabad | 2024

CBSE - 12th / Intermediate | NMAV School | Ghaziabad | 2020

CBSE- 10th / Matriculation | Army Public School | Noida | 2018

PROJECTS

JotDown KMP (Kotlin Multi Platform) | <https://github.com/FireLord/JotDown>

- Notes app built with **Kotlin** and **Swift** for robust cross-platform compatibility, featuring Android frontend in **Jetpack Compose** for modern UI design, iOS frontend designed with **SwiftUI** for a native and elegant experience, and **SQLDelight** powering the database with shared logic across both platforms.

Appetizer iOS App | <https://github.com/FireLord/Appetizer>

- Native iOS app: UserDefaults for preferences, SwiftUI sheet for interactions, and API calls for ordering food.

Weathering Mobile Application | <https://play.google.com/store/apps/details?id=com.firelord.weathering>

- Developed with Kotlin, the project employs Glide for image loading, integrates LeakCanary to detect memory leaks during debugging, and incorporates the **openWeatherApi** for displaying weather data. Additionally, the application features a toggle for seamless switching between dark and light modes, with all illustrations crafted in-house.

Morse Code Translator | <https://github.com/FireLord/pythonSchoolProject/blob/master/morseCode.py>

- Developed with Python and without external plugins, the program utilizes a dictionary to store Morse code, with English alphabets serving as the keys. It actively encrypts and decrypts provided messages.

Firmware for Lenovo P2 | <https://xdaforums.com/t/rom-7-1-2-unofficial-lineageos-14-1.3536834/>

- Developed **firmware** for an Android device to optimize performance using **LineageOS** as the complete Android OS source. Revived support for the latest Android version on the device after the manufacturer discontinued the device. Rectified minor issues, such as video playing lags, present in the stock firmware.

Kernel for Moto G3 | <https://xdaforums.com/t/firekernel-for-mm-n-roms.3401538/>

- Developed a kernel for an Android device using the C language. Integrated numerous CPU profiles sourced from GitHub and upstreamed the kernel source from **kernel.org**.

CERTIFICATIONS

SwiftUI Fundamentals | Sean Allen Teachable | 2024

(MVVM, Compose) Advanced Android Bootcamp | Udemy | 2023

The Basic Android Kotlin Developer Course | Udemy | 2021

INVOLVEMENT

Placement Coordinator | IMS Engineering College | Training and Placement | August 2023 - Present

Recognized Developer | XDA Developers | April 2017 - January 2020

SKILLS

Languages: Kotlin, Swift, Python, HTML, CSS

Technologies: Bootstrap, Hugo, Node.js, Firebase

Databases: MySQL, Room DB, MongoDB, CoreData, SQLDelight

OS: Linux, MacOS, Windows

Tools Familiar With: Git, Jenkins, Gerrit, GitHub Actions, Android Studio, VS Code, Figma, Xcode