Aman Kumar

⚲ Uttar Pradesh, India   ✉ amankumarmicro@gmail.com   📱 +918802079522   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 in **compose** with **Firebase authentication**, Firestore, Room DB, **Koin**, 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.
- 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 Ghaziabad, AKTU | 2024

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

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

PROJECTS

Slide News iOS App | https://github.com/firelord/slidenews

- News app inspired by **MindInventory's** Dribbble design using **SwiftUI**. Integrated Firebase for secure login and **SwiftData** for efficient data retrieval. Resembles a next-gen **Inshorts** app. Employed **clean MVVM architecture** and crafted custom shapes using **SwiftUI's Path** and **Bézier curve** concept. With smooth animations all over the app for good UX.

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.

Weathering Android App | 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

INVOLVEMENT

Firmware Engineer | LineageOS | https://wiki.lineageos.org/devices/kuntao/

- Contributed to the development of Lenovo P2's firmware alongside members of the LineageOS team.

Placement Coordinator | IMS Engineering College | Training and Placement | August 2023 - May 2024

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, SwiftData
OS: Linux, MacOS, Windows
Tools Familiar With: Git, Jenkins, Gerrit, GitHub Actions, Android Studio, VS Code, Figma, Xcode