

# Aman Kumar

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## EXPERIENCE

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

- 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 **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.
- Developing an iOS [Soundscape app](#) with **SwiftUI** and **MVVM architecture**, featuring soothing **music playback** and podcasts. Integrated **Firestore** and **CoreData** for data management.
- 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

### 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.

### 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.

### UnitConverter Mobile Application | <https://github.com/FireLord/UnitConverterCompose>

- Developed a small Kotlin project to explore **Jetpack Compose**, displaying conversion history in a LazyColumn. The application also supports landscape orientation.

### Firmware for Lenovo P2 | <https://forum.xda-developers.com/t/rom-7-1-2-unofficial-%20lineageos-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://forum.xda-developers.com/t/firekernel-for-mm-n-%20roms.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

### (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

**OS:** Linux, MacOS, Windows

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