

Aman Kumar

📍 Ghaziabad, Uttar Pradesh, India ✉ amankumarmicro@gmail.com 📞 +918802079522 🔗 <https://www.linkedin.com/in/amankumar035/> 🌐 <https://theamankumar.tech/>

EXPERIENCE

Android App Intern | AppSuccessor Media Pvt. Ltd

September 2023 - Present, Noida, UP

- Developed an Android PDF Scanner application that optimised the document scanning workflow by seamlessly integrating scanning, editing, and offline organization features. This project helped to gain knowledge in **CameraX**, **OpenCV**, **File handling**, **Hilt** and **Room database** within the **MVVM architecture**. Additionally, I implemented a customised view for image manipulation, allowing users to effortlessly adjust images based on page size using canvas and MotionEvent interactions.
- Developed Trakeat, a user-friendly calorie tracking application that streamlines meal and workout logging. Implemented **Firestore authentication** for secure online user data storage, leveraging **Firestore** and **Room database** for an efficient **master-slave database architecture**. The app showcases a visually informative progress graph, powered by **MPAndroidChart**, and adheres to a well-structured **MVVM architecture**. Ensured secure API calls using **Retrofit** with **SSL pinning**. This experience enriched my skill set by involving collaboration with UI/UX designer to bring to life a custom UI design provided in Figma.
- Developed the backend for the Trakeat app, handling exercise and food information. Acquired proficiency in **Node.js**, **Express.js**, and **MongoDB** during the development process. Successfully deployed and hosted the backend on a designated Linux root server using Apache. Implemented a basic level of security by incorporating an API key in the header for added protection.
- During my internship, I played a key role in enhancing the development process by consistently suggesting improved approaches to the given designs before the initiation of any product development. This active involvement not only **saved valuable development time** but also significantly boosted the overall efficiency of the team's collaborative efforts.

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://github.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, Python, C, HTML, CSS

Technologies: Bootstrap, Hugo, Node.js, Firebase

Databases: MySQL, Room DB, MongoDB

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