

Experience

AppSuccessor Media Pvt. Ltd

Android App Intern | Sep 2023 - Present | Hybrid

1. [PDF Scanner](#) App: Developed a PDF Scanner app with a focus on seamless document scanning, editing, and offline organization. The application is powered by **OpenCV** and **CameraX**, ensuring top-notch accuracy for an enhanced mobile scanning experience. [↗](#)

2. [Trakeat](#) - Calorie Tracking App: Engineered an all-in-one **calorie tracking** app simplifying meal and workout logging. The app provides a user-friendly interface for **visualizing progress** and is backed by a robust technology stack, including Node.js, Express.js, and MongoDB, ensuring reliability. [↗](#)

Tech : Kotlin | XML | hilt | Retrofit | firebase auth | firebase db | MPAndroidChart | MVVM | OpenCV | CameraX

Matterhorn Consultancy Pvt Ltd

Android App Intern | July 2023 - Sep 2023 |

Made an app to show images from unsplash API with onboarding screens.

Tech : Kotlin | XML | Retrofit |

Education

IMS Engineering College (AKTU) | 2020 - 2024

B.tech - Computer Science and Engineering

NMAV School GZBD | 2019 - 2020

CBSE - 12th / Intermediate

Army Public School, Noida | 2017 - 2018

CBSE - 10th / Matriculation

Certifications

Udemy - The Basic Android Kotlin Developer Course [↗](#)

Udemy - (MVVM, Compose) Advanced Android Bootcamp [↗](#)

Skills

Languages & Technologies:

kotlin, python, c, html, css, bootstrap, hugo

Databases:

MySQL, Room Db

Tools familiar with:

Git, shell, jenkins, Gerrit, Github Actions

Coursework

Data Structures and Algorithm

Unix Tools and Scripting

Projects

Morse Code Translator [↗](#)

- Made using **python** using no external plugin. it uses dictionary to store the morse code. The **key** here is the english alphabets.
- It can encrypt and decrypt the given message.

Tech : Python | Dictionary | Numpy

Weathering Mobile Application [↗](#)

- Made using **kotlin** and following business logic **MVVM** to setup everything in the project.
- It uses Glide to load images
- Has **LeakCanary** to show if there is any memory leak during the debug mode.
- Use openWeatherApi to show weather data and a toggle to switch between dark and light mode.
- **Illustration** are crafted by me.

Tech : Kotlin | Retrofit | XML | hilt | Room

Portfolio Website [↗](#)

- Made using **bootstrap** framework for responsive site implementation in short time.
- Added **hugo** support for static blog
- Hosted on github pages

Tech : Html | CSS | Bootstrap | Hugo

Kernel for Moto G3 [↗](#)

- A kernel for android device using **C** language
- Added lots of CPU profiles from github
- Upstreamed kernel source from **kernel.org**

Tech : C | Makefile | Android

UnitConverter Mobile Application [↗](#)

- Made using **kotlin**
- **MVVM** based Jetpack **Compose** application
- See conversion history in **LazyColumn**
- Support for **landscape orientation**

Tech : Kotlin | Compose | hilt | Room db

News Mobile Application [↗](#)

- Made using **kotlin** and following business logic **MVVM** to setup everything in the project.
- has Coroutines to manage lifecycle
- has **1 activity** and all other as fragments.
- **AndroidX Navigation** for handling navigation events

Tech : Kotlin | XML | Dagger hilt | Retrofit | Room

YTAudio Mobile Application [↗](#)

- Made using **kotlin**
- it uses **yt-dlp** to get the video and convert using **ffmpeg**

- User can **select specific folder** to save mp3

Tech : Kotlin | XML | Storage | YoutubeDL-android

Firmware for Lenovo P2 [↗](#)

- Made a firmware for android device to enhance its performance. Used **LineageOS** for whole android OS source.

- Supported latest android to the device when company dropped its support.

- **Fixed small bugs** which were present in the stock firmware of the device. Like video playing lags.

Tech : Makefile | AOSP | LineageOS | C