

Aman Kumar

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Education

IMS Engineering College (AKTU)

B.tech - Computer Science and Engineering
2020 - 2024

NMAV School GZBD

CBSE - 12th / Intermediate
2019 - 2020

Army Public School, Noida

CBSE - 10th / Matriculation
2017 - 2018

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.

Weathering Mobile Application

- Made using **kotlin** and following business logic **MVVM** to setup everything in the project.
- It uses Gson 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.

Portfolio Website

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

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**

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.

News Mobile Application

- Made using **kotlin** and following business logic **MVVM** to setup everything in the project.
- Glide for image from json
- Use newsapi in **retrofit**
- has firebase login support, email, gmail, fb
- has **1 activity** and all other as fragments.
- AndroidX Navigation for handling navigation events

Pie Mobile Application

- Made using **kotlin**
- Simple App to show **bar graph** and **pie chart** on android
- MPAndroidChart for all the charts
- has firebase login support, email, gmail, fb
- has **1 activity** and all other as fragments.
- AndroidX Navigation for handling navigation events

Skills

Languages & Technologies

kotlin, python, c, html, css

Databases:

MySQL

Tools familiar with:

Git, shell, jenkins, gerrit, Github Actions

Coursework

Data Structures and Algorithm

Unix Tools and Scripting

Achievements

PPT Making Competition - 2018

Excellence In Computer - 2016

Certifications

Udemy - The Complete Android Kotlin Developer Course

Interests and Learning

OOPS in kotlin

Firebase

DBMS in android app

iOS app development