Aman Kumar

Android App Developer | amankumarmicro@gmail.com | +91 88020 79522
https://firelord.github.io | https://github.com/firelord | https://www.linkedin.com/in/amankumar035/

Experience

Oasis Infobyte
Web Dev Intern | Mar 2023 - Apr 2023 | Remote

- Created websites using bootstrap, html 5, css
and some parts with JavaScript
- Hosted demo websites on github pages

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

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

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

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

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

Pie Mobile Application
- Made using **kotlin**
- App to show **bar graph** and **pie chart** on android
- has firebase login support, email, gmail, fb
- has **1 activity** and all other as fragments.
- AndroidX Navigation for handling navigation events
Tech : Kotlin | XML | Firebase | MPAndroidChart

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

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

Skills

Languages & Technologies
kotlin, python, c, html, css, bootstrap, hugo

Databases:
MySQL

Tools familiar with:
Git, shell, jenkins, gerrit, Github Actions

Coursework

Data Structures and Algorithm
Unix Tools and Scripting

Certifications

Udemy - The Complete Android Kotlin
Developer Course