KAUSTUBH PATANGE

📍 **Mumbai, India**

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EDUCATION

University of Mumbai
Computer Engineering

📅 August 2018 – Present

R.V Nerurkar Junior College
HSC - Science

📅 July 2016 - February 2018

Percentage - 87

SKILLS

Languages
C#, Kotlin, Java, Rust, Dart, Typescript, Python, pwsh

Frameworks
Android, .Net Core/Framework, Flutter, Node.js

Tools/VCS
Git, CI/CD, Gradle, Cargo

Other
Technical writing

PROJECTS

XClipper - Smart clipboard manager
(Website / Github)

- Clipboard manager for Windows & Android that helps to track clipboard activities and makes it easier to interact with them.
- It also helps to synchronize your clipboard between these two platforms.
- Developed with C# (WPF) for Windows app & Kotlin for Android app.

Moviesy - Client app for YTS
(Website / Github)

- An Android app to download & stream movies that are available as YTS torrents.
- Beautiful UI packed with lot of features including built-in torrent downloader, media player with chromecast support.
- Written with Kotlin following MVVM pattern.

Gear VPN - Fast, Free & Secure VPN
(Website / Github)

- A VPN app based on OpenVPN with one click connect & loads of servers to choose from.
- Written with Kotlin using Google's new declarative UI toolkit **Jetpack Compose**.

PROJECTS

ADK - Android Reverse Engineering Kit
(Website)

- An IDE with complete suite of tools for reverse engineering Android apps, modifying custom ROMs, etc.
- This was my first big project I made when I was just starting to learn programming. Although the code is messy but it was big for me.
- Written with C# (Winform).

Kling - Visual Keylogger
(Github)

- An system tray application that will show keyboard key presses visually on screen.
- Inspired by carnac, written with C#.

Others include aow, git-open, Iso2Usb, etc. on Github.

LIBRARIES

navigator - (Github)

A small (Kotlin first) navigation library for Android to ease the use of fragment transactions also available for Jetpack Compose for pure composable navigation.

AutoBindings - (Github)

A small annotation processing processing certain annotations that are mean to make Android development little bit easier by eliminating some biolerplate codes.

I usually spend my time developing general solutions to some of the specific problems I face, eg: ImageLoaderView, CWT, SwipeDismissImage, etc.

ARTICLES

Simplified Navigation in Jetpack Compose - (medium.com)

This is an opinionated article on how navigation should be handled in the Android app when using Jetpack Compose.

Automate your build & release with Github Actions - (medium.com)

How CI/CD can help you iterate & deploy faster with examples for Android & Rust?