

Snehil

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LINKS

Github:// [snehilrx](#)
LinkedIn:// [snehilrx](#)

COURSEWORK

UNDERGRADUATE

Data Structures
Algorithms
Discrete Mathematics
Operating system
DBMS
Finite Theory and Automata
Artificial Intelligence
Graph Theory

SKILLS

PROGRAMMING

Over 10000 lines:

Kotlin • Java • Sql • Groovy

Over 1000 lines:

C • C++ • CSS • JavaScript • Bash

Tools:

Android studio • Layout Inspector •
Profiler • Gradle • App Inspector

SDKs/Framework:

Android SDK • Android NDK • Jetpack
Navigation • Jetpack Compose • Camerax
• Work Manger • Kotlin Coroutines •
RxJava • Flows • LiveData • OkHttp •
Ktor • Glide • Retrofit • Proguard •
Activity • Fragment • Service • Broadcast
Receiver • Content Provider • Jetpack
Paging • Jetpack Room • SQL Delight •
Dagger 2 • Hilt • Google App Engine •
GCM

EDUCATION

SIDDAGANGA INSTITUTE OF TECHNOLOGY

B.E. IN COMPUTER SCIENCE
Bangalore, Karnataka
2018-2022

DAV PUBLIC SCHOOL

Patna, Bihar
INTERMEDIATE
2017

EXPERIENCE

NUCLEI INTERN - ANDROID DEVELOPER

Jan 2022 - July 2022 | Bangalore, In

- Interned within the Android team for the FedMobile Application having 1Cr+ users.
Link - Google Play
- Contributed to core banking functionalities, including transaction history, account statements, and debit card management.

NUCLEI | SDE I - ANDROID DEVELOPER

July 2022 - Present | Bangalore, In

- Led the development and re-designing of a comprehensive Home screen featuring over 100+ modules and 140+ deeplinks, improved load time by 90%. This user interface was tailored to suit the unique requirements of 12+ user types, guided by server driven UI components and nudge rules. Reduced app startup time from 3s to 1s. Added functionalities such as search, quick links, and a backend-controlled bottom navigation. Link - Preview
- Engineered a Broadcast Receiver for outgoing SMS monitoring, activating a polling and verification API to an SMS gateway; streamlined customer onboarding, reducing onboarding time by 30% and error rates by 20%.
- Enhanced app security and fraud protection by integrating Google Play Integrity API, safeguarding user data and ensuring compliance with Google Play policies, resulting in a 8.06% decrease in fraudulent activities.
- Spearheaded adoption of NPCI DPSC guidelines, fortifying data privacy measures; aligned processes with industry best practices; executed security controls to safeguard user data; minimized security vulnerabilities by 30%.

PROJECTS

STREAMSAVER

Notifications, Jetpack Compose, FFmpeg, WebView, GeckoView, Animations, Google Ads, Play Payments
Developed a Mozilla-based browser with uBlock Origin integration for downloading HLS and DASH streams from the internet. Published on Playstore.
Link - Google Play

FETCH

Fragments, Jetpack Compose, Media 3, API(Retrofit+OkHttp), Room, Pagination, WorkManager, Android Notifications, Navigation
Fetch is an Android application tailored for watching anime content. Utilizing ExoPlayer (Media-3 library) for dash playback, it also supports offline viewing. Implemented 8 screens and includes features such as notifications for new anime releases. The project has garnered 167 stars and 1.7k downloads.
Links - GitHub, Apk

CLOUDFLARE IAM CHALLENGE BYPASS

OkHttp, JavaScript, Retrofit
A specialized Android networking library designed to circumvent Cloudflare's IAM (I'm Under Attack) challenge.
GitHub - Cloudflare IAM Challenge Bypass OkHttp Library

SHINEBAR - CUSTOM ANDROID UI COMPONENT

Android Custom View, Shader, GLSL
Designed and developed an innovative Android custom UI component featuring a collapsing app bar integrated with an interactive shader for an engaging user experience.
GitHub - ShineBar