Yash Verma

Linkedin: www.linkedin.com/in/yash10019coder⌷

Email : yashverma10019@gmail.com⌷

Github: https://github.com/yash10019coder⌷

EDUCATION

Indian Institute of Information Technology, Lucknow — Lucknow
Bachelor of Information Technology; CGPA: 8.32 — *Apr. 2020 – Apr. 2024*

EXPERIENCE

0chain⌷ — Cupertino, CA
Android Engineer — *Feb 2022 – Present*

- **MVVM**: Migrated and refactored the code to follow the **MVVM** architecture.
- **Dagger/Hilt**: Used them for **dependency injection** for third party libraries and classes.
- **Xml**: Converted the **figma wireframes** to high quality xml layouts and used **Gosdk** to write backend code in **java** for them.
- **Realm**: Used the **Realm** database to store data and **sync** with **online** database.
- **Retrofit**: Made API endpoints in **Android** with **Retrofit** to make http requests with **TLS** encryption and parsed the data with **gson**.
- **Okhttp**: Used **okhttp** as a http client for making requests and also used a **Interceptor** to log requests.
- **Bash Scripting** : Added a pre-commit hook for codebase to run eslint checks and typescript checks which reduced the lint and type errors by **100%** in the codebase.

Oppia Foundation⌷ **Github Link**⌷ **[Link to Merged PRs]**⌷ — Mountain View, CA
Open Source Contributor Android — *Aug 2021 – Present*

- **Gradle,Bazel**: Helped in build system migration from **gradle** to **bazel**.
- **Tablet Support**: Created new new **fragments** which are wrapped inside their own **activities** in mobile so that both open seamlessly in mobile and tablets supporting **multiple** screen sizes.
- **MVVM+MVP**: Followed **MVVM**(Model View View Model)+**MVP**(Model View Presenter) architecture to code all of the activities and fragments.
- **TDD(Test Driven Development)**: Written **70+** Unit Tests, **20+** Instrumentation and End-to-end tests in **Espresso**, **Robolectric** and **UIAutomator** with **JUnit** as test runner for Android.

Gnome Foundation⌷ — US
Open Source Contributor — *Sept 2021 – Feb 2022*

- **GTK4**: Added a new feature in the pathbar of **Nautilus**⌷ file manager to open folders and files with other applications seamlessly.
- **Xml**: Made the wireframe and program of the new button with Xml.

BSHAPP Link of App⌷ — Android Freelance Developer
Andhra Pradesh — *May 2021 – June 2021*

- **Multi Language**: Added Support for multiple Languages.
- **Jetpack Navigation**: Used Jetpack Navigation with single activity and multi fragment artitecture.
- **Retrofit**: Integerated **REST** api with Retrofit to make **HTTP** requests.

————Awards and achivements————

AWARDS AND ACHIEVEMENTS

- **Google Summer of Code 2022**⌷ at Oppia Foundation.

  - Android Release Automation for signing, building, testing and uploading to Google Play.

Projects

- **Festify** ⬀: Hackathon and event management **Android** app with **NodeJs** Backend link ⬀ and **MongoDB database.** Open source python library for financial data analysis and machine learning for finance.

- **GUI-Automator** ⬀: Written in **python** to download files from google drive and automatically arranging sorting and extracting them.

- **What's App Clone** ⬀: Peer to Peer and group chat Android App with thread based model and equipped with Google and email authentication.

- **Video-Chatting** ⬀: Android app made with jitsi-meet-api ⬀ also deployed a custom scalable video server on Ubutnu VM along with setting up nginx server and TLS layer to make it secure.

Technical Skills

- **Programming Languages**: Java, Kotlin, Python, JavaScript/NodeJS, C, C++, SQL, bash

- **Technologies/Frameworks**: AndroidSDK, Docker, Kubernetes, Google Cloud, Express, MongoDB, Realm, Git, MySQL, Firebase, Gradle, Bazel, Nginx, JSON, Regex

Position of Responsibilities

- **Onboarding mentor** at Oppia Foundation.

- Member of **Developer Workflow** Team at Oppia Foundation.

- Member of **Android Welfare** Team at Oppia Foundation.

- Senior Member at **Axios, IIITLucknow**.