Yash Verma

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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.

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.

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