

Yash Verma

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EDUCATION

- **Indian Institute of Information Technology, Lucknow** Lucknow
Bachelor of Information Technology; CGPA: 8.32/10 Apr. 2020 – Apr. 2024
- **Relevant Courses:** Data Structures & Algorithms, Operating System, System Design, DBMS, Object Oriented Programming, Distributed Systems, Software Management, Design Patterns.

EXPERIENCE

- **Google Summer of Code Oppia Foundation** [link](#) Remote
Gsoc Student Aug 2021 – Sept 2022
 - **Tech Stack:** Kotlin, Github Actions, JUnit, UIAutomator, Gradle, Bazel, Starlark, AndroidSDK
 - **Technical Design Docs** [link](#): Designed and architected the whole **ci/cd** architecture for the builds.
 - **Release Automation:** Automated **signing, building, testing** and **uploading** to Google Play along with automated cherry-picks.
 - **Gradle,Bazel:** Helped in build system migration from **gradle** to **bazel** which increases build speeds by **10x**.
 - **Tablet Support:** Added support for tablet devices in the app which increased the user base by **20%**.
 - **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.
- **Ochain** [link](#) Cupertino, CA (Remote)
Android Engineer Feb 2022 – Present
 - **Tech Stack:** Kotlin, Java, Gradle, AndroidSDK, Retrofit, Room, Dagger/Hilt, Golang.
 - **Xml:** Converted the **figma wireframes** to high quality xml layouts and used **Gosdk** to write backend code in **java** for them.
 - **Database migration:** Migrated from **Realm** to **Room** database which decreased the app size by **5MB**.
 - **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.
 - Handled both the android apps of the organization made consistent releases and also made numerous features from scratch.
- **Gnome Foundation** [link](#) Remote
Open Source Contributor Sept 2021 – Feb 2022
 - **Tech Stack:** C, Xml, GTK+
 - **GTK4:** Added a new feature in the pathbar of **Nautilus** [link](#) file manager to open folders and files with other applications seamlessly.
 - **Xml:** Made the wireframe and program of the new button with Xml.

PROJECTS

- **Festify** [link](#): Hackathon and event management **Android** app with **NodeJs Backend** [link](#) and **MongoDB database**.
- **What's App Clone** [link](#): Peer to Peer and group chat Android App with thread based model and equipped with Google and email authentication.
- **Video-Chatting** [link](#): Android app made with **jitsi-meet-api** [link](#) 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, C, C++, SQL, bash, Golang
- **Technologies/Frameworks:** Linux, AndroidSDK, Dagger/Hilt, Android Jetpack, NodeJS, Docker, Google Cloud, Github actions, CI/CD pipelines, Express, MongoDB, Realm, Git, MySQL, Firebase, Gradle, Bazel, JSON, Regex