

# Yash Verma

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## EDUCATION

- **Indian Institute of Information Technology, Lucknow** Lucknow  
*B.Tech in Information Technology; CG-PA: 8.32/10* Apr. 2020 – Apr. 2024

## EXPERIENCE

- **Ochain** [link](#) Cupertino, CA (Remote)  
*Android Engineer* Feb 2022 – Present
  - **Tech Stack:** Kotlin, Java, Gradle, AndroidSDK, Retrofit, Room, Dagger/Hilt, Golang.
  - **XML:** Converted **figma wire frames** into XML layouts
  - **Database migration:** Migrated from **Realm** to **Room** database which decreased the app size by **5MB 12%**.
  - **Bash Scripting :** Added a pre-commit hook for the code-base to run es lint 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.
- **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 architect-ed 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.
- **Gnome Foundation** [link](#) Remote  
*Open Source Contributor* Sept 2021 – Feb 2022
  - **Tech Stack:** C, XML, GTK+
  - **GTK4:** Added a new feature in the path bar of **Nautilus** [link](#) file manager to open folders and files with other applications seamlessly.
  - **XML:** Made the wire frame and program of the new button with XML.

## PROJECTS

- **Festify** [link](#): Hackathon and event management **Android** app with **NodeJs** [Back-end 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 Ubuntu 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
- **Coursework:** Data Structures & Algorithms, Operating System, System Design, DBMS, Object Oriented Programming, Distributed Systems, Software Management, Design Patterns.