

# Yash Verma

✉ [yashverma10019.work@gmail.com](mailto:yashverma10019.work@gmail.com)

☎ +918957557113

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## EDUCATION

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

## EXPERIENCE

- **Ochain** [🔗](#) Cupertino, CA (Remote)  
*Android Engineer* Feb 2022 – Present
  - **Tech Stacks:** Kotlin, Java, Golang, AndroidSDK, NDK, Github actions.
  - Developing **two** Android apps Bolt, Vult for a decentralized storage built upon ZCN cryptocurrency.
  - Reduced **Bolt** and **Vult** app size by **12%** by migrating from **Realm** to **Room** database.
  - Written **E2E** and **unit tests**, Along with developing an automated pipeline for build and release.
  - Leading and mentoring two junior devs in daily tasks and overseeing scrum meetings and code reviews.
- **Google Summer of Code Oppia Foundation** [link](#) [🔗](#) Remote  
*Open Source Contributor - Gsoc Student* June 2021 – Sept 2022
  - **Tech Stack:** Kotlin, GitHub Actions, JUnit, UIAutomator, Gradle, Bazel, AndroidSDK.
  - Pioneered CI/CD pipeline enhancements, expediting build and deployment processes.
  - Spearheaded Gradle to Bazel transition, amplifying build efficiency by an order of magnitude.
  - Expanded the application's reach by integrating tablet support, boosting potential user base.
  - Orchestrated and refined over 90 automated tests, elevating codebase stability and reliability.
- **Gnome Foundation** [🔗](#) Remote  
*Open Source Contributor* Sept 2021 – Feb 2022
  - **Tech Stack:** C, XML, GTK+
  - **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** [🔗](#) Andhra Pradesh  
*Android Freelance Developer* May 2021 – June 2021
  - **Multi Language:** Added Support for multiple Languages.
  - **Jetpack Navigation:** Used Jetpack Navigation with single activity and multi fragment architecture.
  - **Retrofit:** Integrated **REST** api with Retrofit to make **HTTP** requests.

## PROJECTS

- **Wake-Lock** [🔗](#): Runs a sticky service in background which adds a partial wake lock to your screen.
- **Automated Window Manager** [🔗](#): A cli tool to automate window management in Linux.
- **Backup System Ubuntu** [🔗](#): A bash script to get all of the apt, snap and other etc config files.
- **Hello World** [🔗](#): Android application showcasing OChain blockchain storage SDK, implemented in Kotlin.
- **Festify** [🔗](#): Hackathon and event management Android app with NodeJs backend and MongoDB database.
- **GUI-Automator** [🔗](#): Python script for downloading, sorting, and extracting files from Google Drive.
- **What's App Clone** [🔗](#): Android chat app featuring Google and email authentication.
- **Video Chatting** [🔗](#): Android app for video conferencing using Jitsi Meet API with a secure server setup.
- **My Resume** [🔗](#): Automated deployment of resume updates using GitHub Actions and GCP to Google Drive.

## TECHNICAL SKILLS

- **Programming & Scripting:** Java, Kotlin, Python, JavaScript, C, C++, SQL, Bash
- **Frameworks & Tools:** AndroidSDK, Dagger/Hilt, RxJava, Retrofit, Okhttp, Android Jetpack, Express, Git, Gradle, Bazel
- **Testing & Databases:** JUnit, Mockito, Robolectric, Espresso, UIAutomator, MySQL, MongoDB, Realm, SQLite, Firebase
- **DevOps, Cloud & Security:** Linux, GCP, Docker, Kubernetes, Github Actions, CI/CD pipelines, Nginx, TLS, SSL, Bash Scripting