



## Amit Kumar

Computer Science and Engineering (B.Tech)  
Motilal Nehru National Institute of Technology  
Allahabad

+91-9116260192  
✉ amit9116260192@gmail.com  
in amit3210  
hackeramitkumar  
hackeramitkumar

### EDUCATION

- **Bachelor of Technology in Computer Science and Engineering** 2024  
Motilal Nehru National Institute of Technology Allahabad, Prayagraj CPI: 8.5

### WORK EXPERIENCE

- **Linux Foundation Mentorship @CNCF** June 2023 - August 2023 remote  
Project : Kyverno (A Kubernetes policy engine and Admission controller)  
– Worked on Sigstore Cosign update, Kyverno CLI and VerifyImage TTL cache implementation.  
– Integrated support for OCI v1.1 client, enabling referrers API and artifact handling for fetching and validating Cosign .sig and .att files.  
– Skills - GoLang, Kubernetes, Kyverno, Cosign, Rekor, Fulcio, OCI, Docker etc..
- **Cluster API v1.4, v1.5, v1.6 Release Team** November 2022 - present remote  
Release lead shadow, Communication/Release note Manager, CI Signal  
– Took charge of codebase cleanup by removing deprecated code, while ensuring strict adherence to the release schedule. And Overseeing CI signals, bug triaging, and monitoring CAPI TestGrid.  
– Created release notes for different Patch releases and crafted scripts for automating the weekly PR roster.  
– Skills - GoLang, Kubernetes, Yaml, Git, CI/CD, Prow( test-infra) etc.
- **Google Summer of Code 2023 Mentor @AOSSIE** February 2023 - Present remote  
Project : Agora Vote Android (Android app for Agora Web, that uses Agora: An Electronic Voting Library)  
– Managed project maintenance and provided mentorship to a GSoC student for the migration of the Codebase to Jetpack Compose.  
– Skills: Android development(Kotlin, Jetpack Compose), MVVM, Clean Architecture, Room, CI/CD, Git.
- **Google Summer of Code 2022 Contributor @AOSSIE** June 2022 - September 2022 remote  
Project : Agora Vote Android (Android app for Agora Web, that uses Agora: An Electronic Voting Library)  
– Implemented KotlinFlow, MVVM, Clean Architecture, and Unidirectional Data Flow.  
– Skills: Android development(Kotlin, Jetpack Compose), MVVM, Clean Architecture, Room, CI/CD, Git.

### PROJECTS

- **MotiClubs | (<https://github.com/CC-MNNIT/MotiClubs>) | Team Project**  
MNNIT official android app made for handling all the SAC activities. It has been made under the guidelines of professors.  
– Tools & Technologies: Kotlin, Jetpack Compose, MVVM, Planet-Scale, Firebase, Spring Boot (Kotlin)
- **Mudita | (<https://github.com/hackeramitkumar/mudita-1>) | Team Project** Hack-36 2023  
A web application designed for detecting mental diseases based on symptoms.  
– Tools & technologies: MERN, Machine Learning, Calendly, Firebase Auth, Calendly APIs.

### TECHNICAL SKILLS

**Languages:** C/C++, Java, Kotlin, Go, Javascript

**Tools & Frameworks:** Kubernetes, Docker, CI/CD, Linux, Git, Android Developement (Java / Kotlin/ Jetpack-Compose), Nodejs etc.

**Cloud/Databases:** MongoDB, Sqlite, Mysql

**Areas of Interest:** Android Development, Backend Development, OOPs, DSA, DevOps, Cloud Computing

### POSITIONS OF RESPONSIBILITY

- **Server Administrator @Student Activity Center, MNNIT Allahabad** - Responsible for managing and hosting websites on the SAC, including the deployment and maintenance of websites on a public IP bare metal server.
- **Coding Club Admin @MNNIT Allahabad** - Responsible for delivering lectures and conducting various hackathons.
- **Agora-android Maintainer (AOSSIE)** - Responsible for managing the Repository by reviewing PRs and issues.

### ACHIEVEMENTS

- **Kubecon Amsterdam 2023** - Got fully sponsored Dan Kohn scholarship to attend the event in IN-PERSON. 2023
- **Tuxwars 2nd runner up:** An Event under Avishkar to showcase Linux abilities. 2022
- **Under top 5, Webster:** An Event under Avishkar where developers develop web apps on various ideas. 2022