

Ankur Patil

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EDUCATION

- **Indian Institute of Technology (BHU) Varanasi** Nov 2020 - Present
Integrated Dual Degree (B.Tech + M.Tech) - Mathematics & Computing *CPI: 9.46*

EXPERIENCE

- **Cloud Native Computing Foundation (CNCF) - GoogleCloudPlatform** March 2023 - Present
Linux Foundation Mentorship
 - Working on Lit-based view components for TestGrid that display data from the API.
 - Jasmine and Storybook testing are used for these components.
 - **Exposure:** GO, TypeScript, Frontend Testing (Jasmine, StoryBook)
- **Element/Matrix.org** Jul 2022 - Sept 2022
Software Developer
 - Implemented Knockable rooms in the Element Web (Knocking is the feature that allows users to send a request to join a space or room.)
 - Wrote Cypress tests and unit tests.
 - Created new GitHub Actions for the organization which is used near about 50+ times a week and also fixed minor UI bugs.
 - **Exposure:** React, SDKs, Cypress, GitHub Actions, TypeScript
- **Summer of Bitcoin - Specter Desktop** May 2022 - Aug 2022
Student Developer
 - Implemented JWT Authentication to the REST API of Specter-Desktop.
 - Increased the security of the REST API by adding a new layer of authentication.
 - Followed test-driven development and wrote Pytests.
 - **Exposure:** REST APIs, Access Tokens, Flask, Pytest, Bitcoin-Core

PROJECTS

- **SnapX ([github.com/snapx](#)):** SnapX is a MetaMask snap powered with notifications and account recovery features using biometric authentication. (**Silver Medalist** submission in ConsenSys' MetaMask Snap Development Hackathon conducted at InterIIT Tech Meet 11.0 — February 2023) **Tech:** *MetaMask Snaps, Gatsby, REST APIs, FaceIO, AES, Bitcoin Protocols*
- **Pull Request Action ([github.com/pull-request-action](#)):** The GitHub action that activates when a contributor raises a PR. It comments and reacts to the PR. Moreover, assigns the PR to the author. **Tech:** *Octokit REST API, GitHub Actions, TypeScript, Docker*
- **Google Classroom Clone ([github.com/google-classroom-clone](#)):** A fullstack webapp which has functionalities like Google Classroom. The frontend is made with React and integrated into the backend server with Axios and backend is built upon Django REST Framework. **Tech:** *Django REST Framework, Axios, Heroku, Postgresql, React*
- **Hackalog Frontend ([github.com/hackalog-frontend](#)):** Developed college's hackathon platform for conducting hackathon and Dev sprints. Resolved linting errors present in the codebase and migrated files from javascript to typescript. **Tech:** *Netlify, NextJs, Bootstrap, Husky*
- **Covid19 Detector ([github.com/covid19-detector](#)):** A deep learning algorithm implemented to detect Covid-19 coronavirus with X-Ray images. ReLU, max pooling, flattening layer and a dropout layer of 20% dropout rate form the basis of the model. The model achieved an overwhelming accuracy of **97%**. **Tech:** *Keras, Numpy, ReLU*

HONORS AND AWARDS

- Lead the team and won **Silver Medal** in ConsenSys' Metamask Snap Development Hackathon, InterIIT Tech Meet 11.0
- **Summer of Bitcoin '22:** Was among the 83 selected interns which were shortlisted amongst 20,000 applicants.
- **OSS Intern @ Matrix.org:** Bagged an Open Source internship on the basis of significant contributions made to Matrix.org
- I have recorded **1000+** opensource contributions on GitHub and have **3000+** views on my personal blog: [blog.ankur.codes](#)
- **2nd prize** in Robovation, a Robotics event conducted under Technex '21, Asia's oldest techno-management festival.

VOLUNTEER EXPERIENCE

- **Open Source Contributor** July 2021 - Present
 - I've contributed to various open source organizations like Matrix, Specter Desktop, Zulip and Kiwix.
 - Click [here](#) to see all my OSS contributions.
- **Club of Programmers, IIT (BHU)** Aug 2021 - Present
 - Contributed to various projects of the organisation.
 - Conducted workshops on technologies like JavaScript, GitHub and GitHub Actions which were attended by 500+ students.
 - Actively mentoring a community of 1000+ students learning software development.
 - Created youtube videos for the official youtube handle of COPS.