

PRAKASH KUMAR

☎ 7479433835

✉ prakashope@gmail.com

🌐 [Prakashkumar](#)

🌐 [Prakashh21](#)

Experience

Contributor

March 2022 – current

FNNDS/Redhat CHRIS PROJECT —  *Contributions*

Remote

- Worked on the **chris_ui** a front end of the Chris project , solved numerous issues including **migrated session storage to local storage allowing for persistent login sessions across different tabs.**
- Worked on **Chris_ultron_backend** the restful django backend of chris , implemented **mixins** to include **Content-Length response headers** for the all the http requests which were made for a file response from the swift object storage.
- **Improved non x86_64 build times by 200%** for the data manager of Chris(**pfcon**) by building **wheels** for the **python packages** for ppc64le architecture which were otherwise compiled from source.
- **Migrated** the local development Setup from **docker-compose** to **kubernetes** cluster.

Product Engineer Intern

Nov 2021 – March 2022

PEPCODING EDUCATION PRIVATE LTD

Noida, Uttar Pradesh

- * Worked in the content pipeline mainly in Databases and Operating Systems.
- * Worked with OS/161 tool chain in OS/161 course , implemented Locks and Conditional Variables.
- * Implemented Semaphores and Solved synchronization problems
- * Created content for Query processing in DBMS.

Education

BIRSA INSTITUTE OF TECHNOLOGY

Jun. 2018 – Jun 2022

Bachelor of Technology in Electronics and Communication Engineering CGPA: 7.73

Dhanbad

Projects

Ticket Management App | *HTML, CSS, JAVASCRIPT, DOM* | **Github**

- A Ticket Management App where users can create and manage tickets.
- Data of the tickets stored in the local storage hence data is persistent even if user closes the browser
- Filter functionality added wherein users can filter and display only specific tickets based on their color.

Spreadheets App | *HTML, CSS, JAVASCRIPT, DOM, INDEXED DB, CANVAS API* | **Github**

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Instagram With Reels | *REACT JS, FIREBASE, HTML, CSS, JAVASCRIPT* , | **Github**

- * The functionality and UI of Instagram Reels and Firebase API is used for user authentication.
- * Users can view their own and other profiles, write post comments, and send friend requests.
- * Provides the ability to upload reels, as well as storing data in a Firebase real-time database.
- * Allows user to upload their reels , like and comment on other reels.

Camera And Gallery App | *HTML, CSS, JAVASCRIPT, CANVAS API* | **Github**

- Click Images, Record Videos, apply Filters.
- Users can save their photos and videos in Gallery.
- Zoom in Zoom out functionality added.
- Users can Download their images and videos.


Technical Skills


Languages and Frameworks : Python, Javascript, HTML CSS, ReactJS, NodeJs, Django.

Tools : Git, Linux, Docker, Kubernetes, bash , VS Code.

Open Source Organizations

Fedora/Fedora Docs  *Link* – Contributed to fedora docs improved the UI and UX of the fedora docs page

The Chris Project  *Link* – Chris is a platform to make medical image analysis accessible for doctors and Researchers

Unstrucured-Studio/ZubHub  *Link* – ZubHub is a free web platform that expands access to low-cost creative learning and collaboration opportunities globally to children in underserved communities.