

SURAJ KUMAR MAHTO

B.Tech, Information Technology | Looking for full time opportunities

@ suraj.mahto49@gmail.com

+91-7992434460

in linkedin.com/in/suraj-sloth

github.com/suraj-sloth

suraj-sloth.github.io/

EDUCATION

B.Tech, Information Technology

BIT Sindri

2018 – 2022 • CGPA: 8.02 Dhanbad, India

Senior Secondary - XII

Army Public School, Ranchi

2015 – 2017 • 84.4% Ranchi, India

Secondary School - X

Army Public School, Ranchi

2014 – 2015 • CGPA: 10 Ranchi, India

EXPERIENCE

Google Summer of Code

KDE Community

June 7 – August 23 2021 Remote | Mentors: Thomas, Ralf

- [Project Description](#) Add feature in KMyMoney : Integration of the new functionalities from the Alkimia library.
- **KMyMoney** is a cross-platform personal finance tracking app. It uses C++, Qt as its core and the UI is done using QtWidgets.
- My work([Report](#)) was on online quote support, equipped that with debug functions, extended by an online update of the quote sources, by modifying **libalkimia**, kmy money source code and wrote **unit tests**(using QTest) with documentation.

Season of KDE

KDE Community

January – April 2021 Remote | Mentors: Carl Schwan, Anuj

- Open Source Program by The KDE Community. Project - Port docs-kde-org to hugo
- [Status Report](#) - docs-kde-org is the central repository of Documentation of all the KDE Applications and Frameworks
- Refactor the python scripts to generate data from docbooks and translated docbooks that hugo can populate.

ACHIEVEMENTS

2022 Qualified Graduate Aptitude Test in Engineering (GATE) Computer Science and Information Technology (CS)

2020 Cleared TCS Codevita Contest Pre Qualifier Round with global rank 13710

2020 Top 5 among all teams Internal College Smart India Hackathon (BIT Sindri, Dhanbad)

MISCELLANEOUS

- Nov 2020 Speaker [Seattle GNU/Linux Conference](#): Introducing FOSS Culture at Universities
- Extracurriculars [Chess \(lichess\)](#), Branch Basketball Team, Beatboxing, NCC A Certificate(2013-15)

SKILLS

Development Tools:

git, bash, CMake, Linux(Primary OS)

Design:

Figma UX Designing, Material Design, Canva

Relevant Coursework:

Data Structures, Algorithms, Linux Programming, OOP, OS, DBMS, Computer Arch

PROJECTS

2022 Smartphone Cluster Computing (Sustainable Technology)

- [A feasibility study](#) done on smartphone cluster computing for final semester major project.

2022 FUSE based file system for Linux

- [Repo Link](#), A simple file system in user space that logs user activity.

2021 Minor Patches for Open Source Apps

- **NEOCHAT**- (Matrix(decentralized chat) client) - Disabling the option to edit the messages of other users. [Merged PR Link](#)
- **ALLIGATOR**- (RSS Feed and Podcast Generator) - Minor UI (QML) fix [Merged PR Link](#)

2020 Port KDE Timeline Site to Hugo

- Mentor - Carl Schwan (KDE eV) | Co-Contributor - Phu Nguyen
- timeline.kde.org is the main site for the history of FOSS and KDE in general. It earlier used a Javascript Translations.
- [Commit Link](#) My work was to port all data to YAML, populate that using a modular approach and perform the i18n translations using hugo translations. We used po4a for translations

2020 Port KDE Games Site to Jekyll

- [Repo Link](#) - Created the layouts and ported static pages to markdown.

2019 HnCC, Hackatron '19 and Blog Site

- Deployed in Gitlab CI/CD • Made in Jekyll

POSITIONS OF RESPONSIBILITIES

Vice President (2020-21)

Hackathon and Coding Club, BIT Sindri

- Managed the student-run developer club, managed projects & product design team, organized events, and gave talk sessions on Open Source.

Volunteer

AWS User Group, Ranchi

Workshop Coordinator (2020-21)

IETE Students' Forum