SURAJ KUMAR MAHTO

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

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EDUCATION

B.Tech, Information Technology
BIT Sindri
📅 2018 – 2022   • CGPA: 8.01   📍 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**, kmymoney source code and wrote **unit tests**(using QtTest) 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

- ✸ **2021 Google Hashcode** Round 1 with Team global rank 7148
- ✸ **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 **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