

Suraj Kumar Mahto

Senior UG at BIT Sindri || Interested in Open Source, Software Engineering, Product Management & Design

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Skills

Programming	C/C++ (Qt), Python, JavaScript, LaTeX
Web	React.js, jQuery, CSS, HTML5, Bootstrap, Jekyll, Hugo
Development Tools	git, bash, CMake, Linux(Primary OS)
Design	Material Design, Figma UX Designing, Canva
Relevant Coursework	Data Structures, Design & Analysis of Algorithms, OOPS, DBMS, OS, Linux Programming, Computer Arch.

Experience

Google Summer of Code

Remote

KDE COMMUNITY

7 June - 23 August 2021

- **Project Description** Added 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, equip that with debug functions, extended by the online update of the quote sources, by modifying **libalkimia**, **kymoney** source code and writing **unit tests**(using QtTest) with documentation.

Season of KDE

Remote

MENTEE | MENTOR - CARL SCHWAN, ANUJ BANSAL

Jan - April 2021

- 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
- Refactored the python scripts to generate data from docbooks and translated docbooks that hugo can populate.

KDE Community

Remote

OPEN SOURCE CONTRIBUTOR

June 2020

- Active Contributor in KDE Community. I have also got the **Developer Status**.

Projects & Open Source Contributions

Minor Contributions

KDE

MINOR PATCHES FOR OPEN SOURCE APPLICATIONS

2021

- **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 fix **Merged PR Link**

Port KDE Timeline Site to Hugo

KDE Web

MENTOR - CARL SCHWAN (KDE eV) | CO-CONTRIBUTOR - PHU NGUYEN

Dec 2020

- **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

Port KDE Games Site to Jekyll

KDE Web

MENTOR - CARL SCHWAN (KDE eV)

Oct 2020

- **games.kde.org** is the main site for the collection of KDE Games. It was previously developed using PHP
- **Repo Link** - Created the layouts and ported static pages to markdown.
- Part of Goal of this task was to develop a site which can be maintained easily.

Website for HnCC, Hackatron '19 and Blog Site

BIT Sindri

WEB & GRAPHICS TEAM

2019

- **hnccbits.com** • **hackatron.hnccbits.com**
- **blog.hnccbits.com** • Deployed in Gitlab **CI/CD** • Made in Jekyll

Scholastic Achievements

2021	Google Hashcode , 2021 Round 1 with Team global rank 7148	Online
2020	Cleared TCS Codevita Contest , 2020 Pre Qualifier Round with global rank 13710	Online
2020	Top 5 among all teams , Internal College Smart India Hackathon	BIT Sindri, Dhanbad

Education

BIT Sindri

B.TECH. IN INFORMATION TECHNOLOGY • **7.52 CGPA**

Dhanbad, India

August. 2018 - PRESENT

Army Public School

• MATRICULATION - (**10 CGPA**) • INTERMEDIATE/+2 - **84.4%**

Ranchi, India

May. 2005 - May 2017

Positions Of Responsibilities

Hackathon and Coding Club (HnCC)

BIT Sindri

VICE PRESIDENT

Nov. 2018 - PRESENT

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

IETE Students' Chapter

BIT Sindri

WORKSHOP INCHARGE

Oct. 2018 - PRESENT

AWS User Group

Ranchi

VOLUNTEER

July 2020 - PRESENT

Miscellaneous

Nov 2020 **Speaker**, [Seattle GNU/Linux Conference](#): Introducing FOSS Culture at Universities

Virtual

Extracurriculars, [Chess \(lichess\)](#), Branch Basketball Team, Beatboxing, NCC A Certificate(2013-15)

Virtual