

# Suraj Kumar Mahto

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

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## Skills

<b>Programming</b>	C/C++ (Qt), Python, JavaScript, LaTeX
<b>Web</b>	React.js, jQuery, CSS, HTML5, Bootstrap, Jekyll, Hugo
<b>Development Tools</b>	git, bash, CMake, Linux(Primary OS)
<b>Design</b>	Material Design, Figma UX Designing, Canva
<b>Relevant Coursework</b>	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** 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**) is on online quote support, equip that with debug functions, extended by online update of the quote sources, by modifying **libalkimia**, kmymoney source code and write **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
- Refactor 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 Web. 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	<b>Google Hashcode</b> , 2021 Round 1 with Team global rank 7148	Online
2020	<b>Cleared TCS Codevita Contest</b> , 2020 Pre Qualifier Round with global rank 13710	Online
2020	<b>Top 5 among all teams</b> , Internal College Smart India Hackathon	BIT Sindri, Dhanbad

## Education

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### 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

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### 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

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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*