

# Sahil Shubham

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## EDUCATION

### Indian Institute of Technology

*B.Tech in Metallurgy & Materials Engineering*  
GPA – 7.84/10.00 (Ongoing)

Kharagpur, India

2019 – 2023

## EXPERIENCE

### Core Team Memeber

*Kharagpur Open Source Society (KOSS)*

November 2020 – Present

*IIT Kharagpur*

- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL and Docker to analyze GitHub data
- Explored ways to visualize GitHub collaboration in a classroom setting

### Member

*Metakgp*

September 2020 – Present

*IIT Kharagpur*

- Maintain and improve multiple projects aimed at students of IIT Kharagpur
- Assess and troubleshoot bugs brought by students

## PROJECTS

### Kharagpur Winter of Code (KWOC 2020) | *React, Bulma, Sass, GoL Nginx, MySQL*

December

- Developed a full-stack web application using with GoLang serving a REST API with React as the frontend
- Implemented GitHub OAuth to get data from user's repositories
- Visualized GitHub data to show collaboration

### E-Learning Platform | *React, Nodejs, AWS*

May 2018 – May 2020

- Developed an e-learning platform for students, teachers and parents
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous deployment using AWS

## TECHNICAL SKILLS

**Languages:** C/C++, Python, JavaScript, HTML/CSS, SASS

**Libraries/Frameworks:** NodeJS, NGINX, Apache, ReactJS, Material-UI, Bulma, Bootstrap

## ACTIVITIES & SCHOLASTIC ACHIEVEMENTS

**OpenSource Involvement:** Helped maintain and improve multiple projects like ERP Auto-Login and Gyft Serve. I also helped conduct Kharagpur Winter of Code, a month long event to promote open source among beginners.

**Mechanical Team Member, Swarm, IIT Kharagpur:** Made and improved designs for different types of path finding and modular bots.

**IITJEE Advanced AIR 5295:** Under top 3% amongst more than 2,00,000 students

**IITJEE Mains AIR 9306:** In top 0.7% amongst more than 12,00,000 students.