

# PARTH PARADKAR

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[GitHub](#) | [LinkedIn](#) | [Blog](#)

## EDUCATION

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**Indian Institute of Technology, Kharagpur**  
Bachelor of Technology, Electrical Engineering

Kharagpur, India  
*Expected 2022*

## WORK EXPERIENCE

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### Cisco

*Technical Undergraduate Intern*

Remote

*May 2021 - Jul 2021*

- Developed a Python tool to fetch the configuration of Cisco routers using the NETCONF protocol.
- Enhanced a manageability dashboard using data from MongoDB and MySQL through a Django backend API.

### Terra Economics and Analytics Lab

*Data Engineering Intern*

Remote

*Jun 2020 - Aug 2020*

- Built data pipelines to track and extract publicly available land and property data using Python scripts, PostgreSQL and RabbitMQ.
- Developed a data monitoring web application using ReactJS to enable the data management team to view metadata of datasets.

### Indian School of Business

*Research Intern*

Hyderabad, India

*Dec 2019 - Jan 2020*

- Worked with research assistants and professors at the Srinivas Center for IT and Networked Economy to collect and analyse web data.
- Used Google Earth Engine to collect geospatial data for various regions in India. Visualized and analysed the collected data using the Pandas and matplotlib libraries in Python.

## PROJECTS

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### GrameenSetu

*Inter IIT Tech Meet 2021*

*Mar 2021*

- Built the backend of GrameenSetu, an e-commerce marketplace to connect SMEs and self help groups functioning in rural India.
- Developed as a part of IIT Kharagpur's gold-winning submission in the 'Drishtee's Tech-led Innovation for Rural Entrepreneurs' event.

### LTTKGP

*Open Source project*

*Apr 2020 - Present*

- Co-developed and designed LTTKGP, a web app that acts as a music player to the college music sharing Facebook group 'Listen to This KGP!'.
- Built the REST API for the application using Flask to serve data from a PostgreSQL database.
- Developed and published metadata-extractor, a Python package to extract the metadata of a song from Spotify using its YouTube URL.

## TECHNICAL SKILLS

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<b>Programming Languages</b>	Python, C/C++, Javascript, HTML/CSS, AVR Assembly
<b>Frameworks</b>	Flask, Node.js, ReactJS
<b>Databases</b>	PostgreSQL, MongoDB
<b>Tools</b>	Git/GitHub, AWS, Linux

## POSITION OF RESPONSIBILITY

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### **Kharagpur Open Source Society**

*Executive Head*

*Mar 2020 - Jun 2021*

- Conducted Kharagpur Winter of Code (KWoC), a program for college students aimed at familiarizing them with contributing to open source projects. KWoC 2020 saw the participation of more than 2000 students from across the world.
- Organized hands-on workshops on Python, Git, Shell Scripting, Linux for college students.
- Managed recruitment of new members, internal knowledge sharing talks, social media activity.

## EXTRA-CURRICULAR ACTIVITIES

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- Member of Technology Literary Society. Involved in the activities such as writing poetry and prose, performing in poetry events and discussing literature.
- Mentored a group of four first year students in academics and extra-curriculars as a part of the Student Welfare Group's mentorship program.
- Taught Python to first year undergraduate students at a week-long workshop conducted for charity by Street Cause MREC.