

Parth Paradkar

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Education

Indian Institute of Technology Kharagpur
B.Tech, Electrical Engineering (CGPA: 8.08/10)

Kharagpur, India
2018 – 2022

Work Experience

Stealth

Founding Engineer

Bengaluru, India
March 2023 - Present

- Part of the early team, building a SaaS provisioning and access management tool for IT and Engineering teams
- Built the backend REST API using Django, implemented security best practices, job runners for automation tasks
- Owned site reliability, internal tools for alerting and analytics (Slack, Metabase), building integrations and testing

Cisco Systems Inc.

Software Engineer

Bengaluru, India
Aug 2022 - March 2023

- Worked briefly with the IOS-XR Routing team, contributing to developing a feature validation framework
- Underwent training in static routing, packet tracing, quality of service, observability and manageability technologies

Technical Undergraduate Intern

May 2021 - Jul 2021

- Developed a Python tool to collect and store configuration information of routers using the **NETCONF** protocol
- Enhanced manageability dashboards 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 monitor and extract publicly available property data using Python scripts, **RabbitMQ** and **PostgreSQL**, which powered TEAL's **property due diligence** platform, **TealCheck**, for banks and legal teams
- Undertook ownership of building a **monitoring dashboard** using to display the metadata of the different data lakes, allowing members of different teams to refer to a single source of truth during client interactions and decision making

Indian School of Business

Research Intern

Hyderabad, India
Dec 2019 - Jan 2020

- Extracted and analyzed district and state-wise temporal **night lights data** using **Google Earth Engine** and Python tools to conceptualize **luminosity per square km** as an indicator for **economic growth** and **industrialization**

Projects

DeepMeter

Aug 2021 - Apr 2022

- Developed DeepMeter, a Python tool that makes use of Intel's SoCWatch platform to **measure and analyse energy consumption** and thereby aid engineers in **reducing carbon footprint** of AI applications on **edge devices**
- **Bachelor's thesis project** conducted under the supervision of **Prof. Debdoot Sheet** (Dept. of Electrical Engineering)
- Awarded the "**Best Project Work**" Endowment Prize amongst all the graduating BTech students of the department

LTTKGP

Apr 2020 - Oct 2020

- Co-developed LTTKGP, a music streaming app for the college music sharing Facebook group '**Listen to This KGP!**'
- Built **C-3PO**, a REST API using **Flask** to serve **PostgreSQL** data and used **Docker** and **AWS EC2** for deployment
- Published **metadata-extractor**, a Python library to extract the metadata of a song from Spotify using its YouTube URL

Competitions

Inter IIT Tech Meet 10.0

March 2022

- **Co-led a team of 8** to build a hospital management system using a **microservices** architecture. Built microservices for booking appointments, prescription generation, inventory and CRUD operations on patient and doctor data
- Bagged the **gold** medal in **Mercari's Large Scale System Design Hackathon** amongst 22 participating teams

Inter IIT Tech Meet 9.0

Mar 2021 - Apr 2021

- Built the backend of GrameenSetu, a marketplace to connect SMEs and self-help groups functioning in rural India
- Won **gold** in "**DrishTEE's Tech-led Innovation for Rural Entrepreneurs**" amongst 22 participating teams

Technical Skills

Programming Languages
Frameworks & Databases
Tools & Platforms

Python, C/C++, Javascript, Typescript HTML/CSS
Django, Flask, SQLAlchemy, Node.js, ReactJS, Jekyll, PostgreSQL, MongoDB, Playwright
Linux, Git/GitHub, Docker, Nginx, Jenkins, Metabase, AWS EC2, S3, Lambda, serverless