

# Soumyajit Rout

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## EXPERIENCE

### Mavenir

*Member of Technical Staff - I*

Bhubaneswar, India

*Jul 2021 - Current*

- Accelerated the 5G Core test automation process by 233% by developing an Excel-to-Robot conversion tool and using Jenkins pipelines.
- Eliminated the manual process of deploying 5G software on Linux VMs by successfully implementing an efficient automated pipeline.
- Designed and implemented an Automated Email System that produces reports from build execution logs and delivers them to relevant stakeholders.
- Developed various Python programs and Shell scripts to perform tasks such as pod health checks in Kubernetes deployments, collecting packets and logs from clusters, creating reports from logs, and more.

### Chargeback Gurus

*Data Analytics Intern*

Chennai, India

*Dec 2020 - Jun 2021*

- Automated manual effort in finding anomalies in data by writing a Python program that scans SQL databases and notifies users if any anomaly is present.
- Performed quantitative data analysis over chargeback data and created various visualizations and dashboards using Python and Power BI.

### Digital Tesseract

*ML & AI Intern*

Chennai, India

*Apr 2020 - Aug 2020*

- Built an Abstractive Text Summarization API using Natural Language Processing.
- Authored and published 4 [articles](#) on various Machine Learning Concepts.
- Designed a data explorer app using Streamlit for some common UCI datasets.

### Center for Development of Advanced Computing

*HPC & DL Intern*

Pune, India

*Dec 2018 - Jan 2019*

- Trained in High Performance Computing, Linux, Machine Learning and Deep Learning
- Explored various parallel programming frameworks like OpenMP, MPI and CUDA.

## PROJECTS

### Data Transformers

*Pandas/Tkinter/XlsxWriter/PDFMiner*

- Created Python GUI applications for cleaning and analyzing Excel data, generating custom reports, and developed a tool to extract and transform complex tables from invoice PDFs to Excel.

### Mail Dashboard

*imaplib/Pandas/HTML*

- Built a program to parse both Inbox and Sent emails, resulting in a comprehensive dashboard that showcases filtered emails with their corresponding replies and attachments.

## EDUCATION

### Veer Surendra Sai University of Technology, Burla

Bachelor of Technology

Computer Science and Engineering

*Aug 2017 - Jun 2021*

## SKILLS & INTERESTS

### Computer Languages

Frameworks and Libraries

### Tools

Python, Shell Script, C++, SQL, JavaScript/HTML/CSS

Pandas, Robot Framework, Kubernetes, Paramiko, Regex,

Flask, Streamlit, Selenium, Tkinter

Git/GitHub, Jira, Bitbucket, Linux