

Soumyajit Rout

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EXPERIENCE

Mavenir

Member of Technical Staff - I

Bhubaneswar, India

Jul 2022 - Current

- Accelerated 5G test script automation process by 200% by developing a Python tool that converts test configurations from excel files to Robot automation scripts.
- Significantly reduced Kubernetes build installation time by 75% by designing a Jenkins pipeline that auto generates Helm charts from a build release and deploys it to a Linux server.
- Built an Automated Email System that generates a report from various build execution logs and sends it to users.
- Developed a number of Python programs and Shell scripts to perform tasks like pod health checks on a Kubernetes deployment, gathering packets and logs from a cluster, generating 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 a 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

- Developed 7 Python GUI applications that takes Excel data and perform data clean-up, data analysis and produce custom reports according to clients requirements.

PDF Parser

PDFMiner/Regex/Pandas

- Created a Python tool to extract complex tables and various textual information from invoice pdfs and exported it to a excel file.

EDUCATION

Veer Surendra Sai University of Technology, Burla

Bachelor of Technology

Computer Science and Engineering

Aug 2017 - Jun 2021

SKILLS & INTERESTS

Computer Languages Technologies

Python, Shell Script, C/C++, SQL, HTML, CSS, JavaScript
Jenkins, Robot Framework, Kubernetes, Django,
Git, Pandas, Tkinter, Selenium, Flask, Dialogflow

Tracking Tools

Jira, Bitbucket

Interests

Competitive Coding, Writing blogs, 3D modelling