

# SOUMYAJIT ROUT

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## EXPERIENCE

### Mavenir

Member of Technical Staff - I

Bhubaneswar, India

Jul 2021 - Current

- Accelerated test automation by developing a Python tool that converts test configurations to Robot automation scripts.
- Developed a number of Python and Shell Script tools to perform tasks like pod health checks on a Kubernetes deployment, gathering packets and logs from a cluster, generating reports from logs, and more.
- Built an Automated Email System to generate and send Jenkins Build reports to users.
- Designed Automation Scripts for 5G-Core using Robot Framework.

### Chargeback Gurus

Data Analytics Intern

Chennai, India

Dec 2020 - Jun 2021

- Reduced manual effort in finding anomalies in data by creating a scheduled detection program that finds anomalies and sends email alert to respective teams.
- Performed quantitative data analysis over chargeback data and created dashboards using Power BI.

### Digital Tesseract

ML/AI Intern

Chennai, India

Apr 2020 - Aug 2020

- Implemented Abstractive Text Summarization using Natural Language Processing to summarize technical articles.
- Authored and published 4 [articles](#) on various Machine Learning Concepts.
- Built 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

## PROJECTS

### Data Transformer

Pandas/Tkinter

- Developed 7 software based on graphical interface that takes Excel/CSV data and perform data clean-up, data analysis and produce reports according to requirements.

### Emotion Recognition

Tensorflow/OpenCV/Flask

- Designed a web application using Flask to capture video and detect faces using OpenCV.
- Optimized a Convolutional Neural Network using transfer learning for classification of facial expressions.

## 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