

SOUMYAJIT ROUT

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[Linkedin](#) ♦ [Github](#) ♦ [Webpage](#)

EDUCATION

Veer Surendra Sai University of Technology, Burla

Aug 2017 - Jun 2021

Bachelor of Technology

Computer Science and Engineering

EXPERIENCE

Chargeback Gurus

Chennai, India

Data Analytics Intern

Dec 2020 - Jun 2021

- Built a scheduled anomaly detection program that finds anomalies in chargeback alert frequencies and automatically sends an email to the respective team using SMTP.
- Used ARIMA model to predict weekly chargeback volumes for clients.
- Performed quantitative data analysis over chargeback data and created dashboards using Power BI.

Digital Tesseract

Chennai, India

ML/AI Intern

Apr 2020 - Aug 2020

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

KM UnoTag Pvt Ltd

Bangalore, India

NLP Intern

Jul 2019 - Aug 2019

- Designed a chatbot using Dialogflow for users to get answers for their queries related to purchases.
- Added a feature in the chatbot to detect and validate QR codes from user provided images.

Center for Development of Advanced Computing

Pune, India

HPC/DL Intern

Dec 2018 - Jan 2019

- Training internship on High Performance Computing, Linux, Machine Learning and Deep Learning

PROJECTS

Poem Generator

NLP/Tensorflow/Flask

- Modelled and trained a word-level sentence generator using Tensorflow on a poem text corpus.
- Achieved an accuracy of 98% by using a combination of LSTM and GRU model.
- Deployed the model as a [web application](#) using Flask and hosted it on Heroku.

Excel File Transformer

Pandas/Tkinter

- Built a GUI based software that takes in xlsb data (consisting of more than 100K rows) and performs data cleaning, formatting and calculating new columns based on requirements in less than 30 seconds.

Emotion Recognition

Tensorflow/OpenCV/Flask

- Built a web application using Flask to capture video and detect faces from it using OpenCV.
- Used transfer learning to optimize a CNN image classifier model and classified emotions from facial expressions.

SKILLS & INTERESTS

Computer Languages

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

Technologies

Django, Flask, Pandas, Tkinter, Dialogflow, Git

Interests

Competitive Coding, Writing blogs, 3D modelling