

# Soumyadip Sarkar

Data Scientist/ML/DL Enthusiast

I am experienced in Computer Vision, NLP, Machine Learning, Deep Learning. I have experience with backend development for ML/DL models using flask and streamlit. I love participating in Kaggle competitions and different Hackathons. I also like doing Open-Source Contributions and writing blogs.

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## EDUCATION

### B.Tech in Electrical Engineering

Institute of Engineering and Management, Kolkata

07/2018 - Present

## PERSONAL PROJECTS

### Resume Analyzer [🔗](#)

- Resume Analyzer tool/web-app for recruiters which can help them to select candidates easily and quickly.
- **Data Preparation(web-scrap) + Resume Score Prediction + Resume Summarization + Model Deployment.**
- Used Scikit-Learn, Spacy, NLTK, Streamlit, flask, Docker.

### Virtual Doc [🔗](#)

- **Provides quick and accessible medical assistance like malaria detection, diabetes detection including COVID within your browser.**
- It was a group project. We used MERN and tfjs stack for the web-app and tensorflow, opencv and pandas for model building.

### Music Generation Using Deep Learning [🔗](#)

- **Used midi data and ABC sheet music for building WaveNet and a character level LSTM model respectively.**
- Used tensorflow, NLTK, RegEx, Numpy, Plotly.

### Face-Mask-Detection-Using-Deep-Learning [🔗](#)

- **Face Mask Detection using Deep Learning: a simple GUI based application for face mask detection.**
- Used tensorflow, opencv haar cascade, Tkinter

### COVID-DeepNet: covid detection using lungs Chest X-Rays [🔗](#)

- It was a group project. We used **Image segmentation** on the data and fed that to our model which was a **depthwise separable Convolution 2D** model.
- we got approx. 86% accuracy on our data. Sorry for some reason could not share the code link.

### Joke Generation Using MinGPT with tensorflow-2.0 [🔗](#)

- **Its a tensorflow implementation of minGPT for generating jokes.**
- Mainly used tf, NLTK, mingpt

## SKILLED AT

tensorflow

Huggingface

Opencv

Spacy

Computer Vision

NLP

Web Scraping

Scikit-Learn

flask

streamlit

tensorflow.js

C++

Git

CREME

## FAMILIAR WITH

1) Docker, 2) kubernetes, 3) GCP, 4) Heroku

5) Linux, 6) Bash, 7) Rasa, 8) Java

9) Power BI 10) MySQL 11) Postman

## ACHIEVEMENTS

Ranked 7th at Octahacks:3.0

**Got 7th rank out of 456 teams FROM ~26 states.** The hackathon was organized by [DSC CIET](#)

Kaggle Kernel Expert

**Highest rank 485** out of 148,467 people worldwide

Top Contributor

**Top Contributor** at [DSC-IEM](#) during Hacktoberfest. in their AI repository.

Participated in SIIM-ISIC Melanoma Classification challenge [🔗](#)

Got about 7.76 LB score. It was my 1st Kaggle challenge.

## LANGUAGES

English

*Full Professional Proficiency*

Hindi

*Full Professional Proficiency*

Bengali

*Native or Bilingual Proficiency*