

Soumyadip Sarkar

Data Scientist/ML/DL Enthusiast

I am experienced in Computer Vision, NLP, Machine Learning, Deep Learning. I am familiar 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(NLP) [🔗](#)

- 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(CV) [🔗](#)

- **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.

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

- **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(CV) [🔗](#)

- 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. 90.6% accuracy

Smart Exam Form(NLP) [🔗](#)

- **A user-friendly web-app, a clone of Google Forms but with essay automated grading system for exams.**
- It is a group project. Tech stack used HTML&CSS, Flask, Tensorflow2.x, gensim, NLTK

Music Generation Using Deep Learning(NLP+Audio) [🔗](#)

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

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

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

SKILLED AT

tensorflow2.x

Huggingface

opencv

Spacy

Computer Vision

Natural Language Processing(NLP)

Web Scrapping

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 12) Pytorch 13) Julia

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.

Successfully organized an online Workshop [🔗](#)

Successfully organized the workshop with **100+ participants** with collaboration with DSC-IEM for Coding Blocks on Opencv snap chat filter creation.

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

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

Participated in Hackoff:3.0 a MLH hackathon

I participated in this hackathon and got 29th rank out of 129 teams all over the world.