

Soumyadip Sarkar

Data Scientist/ML/DL Enthusiast

I have experience 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, **Custom NER**. Trying to integrate **BERT** based QnA system.

ERA5-Land Data Analysis + Model Building(tabular) [🔗](#)

- Its a **Geospatial Data**, and I did the Data Analysis and Model Building.
- Collected data via **API call using cdsapi**, used **xarray, matplotlib**. Created **PyTorch** model.

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.

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.

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.

Face-Mask-Detection-Using-Deep-Learning(CV)

- **Face Mask Detection using Deep Learning**, a simple GUI based application for face mask detection.
- Used tensorflow2.x,opencv, haar cascade,**CNNs**, TKinter.

Joke Generation Using MinGPT with tensorflow-2.0(NLP)

- It's a **TensorFlow implementation of minGPT** for generating jokes. Mainly used tf, NLTK, mingpt.

SKILLED AT

tensorflow2.x

PyTorch

Huggingface

opencv

Spacy

Computer Vision

Natural Language Processing(NLP)

Web Scrapping

flask

Streamlit

tensorflow.js

c++

git

FAMILIAR WITH

1)Docker,2)Linux, 3)Bash,4)julia

5)Rasa, 6) kubernetes, 7)GCP, 8) Heroku

9)Power BI 10) MySQL

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.

Participated in Hackoff:3.0 a MLH hackathon

Participated in Hackoff:3.0 an MLH hackathon I participated in this hackathon and got 29th rank out of 129 teams all over the world.

LANGUAGE

English

Professional Working Proficiency

Hindi

Full Professional Proficiency