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.

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 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

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.