SUMANTRAK MUKHERJEE

BITS Pilani, Pilani

@ sumantrak.mukherjee@gmail.com

(+91) 9307654175

in linkedin.com/in/sumantrak-mukherjee-9a6151192

EXPERIENCE

Web Development

Anand Group

Movember 2019 - January 2020

- Pune, Maharashtra
- Developed a fully functional regular, responsive dashboard.
- Technology used for backend:Node.js, MongoDB, Express.
- Technology used for frontend:HTML,CSS,Bootstrap,Jquery,Javascript.

PROJECTS

Detection of mask on Face

Self-Learning Project

- October 2019 November 2019
- Deep Learning + OpenCV to detect faces in an image or video stream and classify on the basis of presence or absence of mask.
- Used VGG model for image encoder.
- Trained on custom data set.

Hate Speech and Self Harm Detection on BITS Confessions Page Data

Exploratory Project

- ## June 2020 July 2020
- A dataset was created by scrapping data from the BITS Pilani Confessions Page on Facebook.
- Created embeddings for the dataset using BERT. Trained a Neural Net with CNNs(for context), ReLu(for non linearity), Max Pooling and Dropout to prevent over-fitting, Softmax (for multi-label classification)

Reinforcement Learning for Playing Chess Exploratory Project

August 2020 - September 2020

- Developed a RL model to learn to play chess using.
- Policy Iterations
- Model free Learning
- Policy Gradient

EDUCATION

B.E.(Hons) in Electronics and Instrumentation

BITS Pilani, Pilani

July 2019 - Present

CGPA:7.16

Class XII

Akshara International School, Pune

₩ June 2019

95.00%

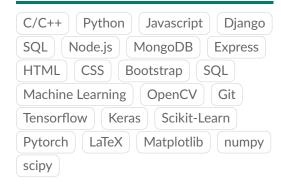
Class X

Loyola School, Jamshedpur

June 2017

92.00%

SKILLS



POSITION OF RESPONSIBILITY

SIG Team Lead for ML/AI BITS-ACM

🛗 August 2020 - Present

- The ML/AI Team aims to promote ML/AI on campus through hand holding for beginners and hands on experience through Open Source projects and regular reading groups
- As a team of 12 we have explored Reinforcement Learning, Unsupervised and Semi Supervised Learning, Code Mixing in NLP. Currently there are 2 ongoing projects.

ACHIEVEMENTS

- 335/450 in BITSAT 2019
- 98.91 percentile in JEE Main 2019 of 1.1 million candidates