⊠: anikchatterjee63@gmail.com | ①: 9748615815 | Age: 21

#### **PROFESSIONAL SUMMARY**

A Computer Science and Engineering student with two internship experience at Youth India Foundation, and hello ML possessing more than intermediate knowledge of Data Science. Comfortable with working in a team and also leading it with a vision to see myself working professionally in this field.

#### **INTERNSHIP EXPERIENCE**

## hello ML Machine Learning Content Developer Feb '21 – May '21 (3 Months)

- Developed a GAN Model to generate fake(synthetic) images
- Explore Some Research Papers and Wrote articles about SimCLR, BYOL,
- Explore and wrote articles about Image Classification, Error Analysis, Data Preprocessing,

Tokenizing, Semi – Supervised Learning, LSTM

#### YOUTH INDIA WEB DEVELOPER Aug'20 - Sep'20 (1 Month)

- E-commerce web development made an E-commerce web app for the NGO
- Being the Group Head of the team gave me the experience to manage people with the situation
- Explored the Python programming framework Django and the whole web to find the best idea for the website

#### ACADEMICS

Qualification	Institute	<b>Board / University</b>	Year	% / CGPA
BTech (CSE)	St. Thomas' College of Engineering and Technology, Kolkata	MAKAUT	2022	8.23/10 (Up to 5 <sup>th</sup> Semester)
XII	RamakrishnaVivekananda Mission Barrackpore	WBCHSE	2018	69%
X	Ramakrishna Vivekananda Mission Barrackpore	WBCHSE	2016	75%

### **PROJECTS**

Zooskersky Python

- Mainly worked in the Development of building the App, Developed the Whole UI then took the illegal Activities data from the research and plot a Graph and Histogram For Visualization
- Explored The Web Scraping and Find the Data of those illegal activities
- Certified as the Winning Project of ZooHackathon, 2019, intended to alert wildlife activists of these illegal activities

#### Sign Language Live Predict

Python

- Developed A deep Learning Recognition Model which Converts The Sign Language(USA) to Human Readable Text
- Deployed the translator using PyTorch which would convert ASL to English, with a test-accuracy of 96.6 percent
- Recognized as one of the top finalists of the India-East Hackathon organized by the Association of Computing Machinery

## **SHVN-Project**

Python

- SVHN is obtained from house numbers in Google Street View images, the maximum images were not clear by even Human eye,
  So had to preprocess the data into GrayScale
- Then used the Image Classification model on the Dataset and got near about 90% at test-accuracy
- For understanding better Plot the Graph of Loss vs Epoch and Accuracy vs Epoch

### German to English Translator

Python

- Developed an 'NLP' Model that can translate the German language to the English language
- We can use this to make communication easier

# **ACHIEVEMENTS AND CERTIFICATES**

•	Winner of ZooHackathon 2019, Regional organized by World Wide Fund for Nature	November, 2019
•	Top Finalist of ACM India-East Hackathon organized by Association of Computing Machinery	February, 2020
•	Finalist of Amazon Smbhav Hackathon 2021 organized by Amazon & Skillenza	April,2021
•	Deep Learning Specialization (Andrew NG), by deeplearning.ai and Coursera	February,2021
	Machine Learning A-Z: hands-on Python & R in Data Science by Udemy	September,2020
•	Getting started with TensorFlow 2, by Imperial College London	January, 2021
•	Customising your models with TensorFlow 2, by Imperial College London	February,2021
•	SQL for Data Science, by UC DAVIS	May,2021
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### TECHNICAL SKILLS

- Data Science Frameworks: Tensorflow, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Open-CV
- Machine Learning: Hands-on implementation of Regression, Classification, Clustering and Association Rule Learning Algorithms
- Deep Learning: DNN, CNN, RNN, LSTM, GRU, NLP, discriminative and generative models(GAN, VAE, Auto Encoder)
- Data Management: Mining, Cleaning, Preprocessing, Augmentation, Web-Scraping
- Data Analysis : SQL, DBMS