Anik Chatterjee

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PROFESSIONAL SUMMARY

A Computer Science and Engineering student with two internship experience possessing 1.5+ years of hands-on professional knowledge in Data Science and Machine Learning with a 3+ years overall coding experience. Comfortable with working in a team and also leading it. Constantly keeping myself updated here having a vision to see myself working professionally in this field.

INTERNSHIP EXPERIENCE

CDAC- Kolkata — **Research Intern** — **Apr '21 – Present (3 Months)**

- Explored some Security methodologies to check an URL is **phishing or not**, then build a Machine Learning Model for that, If the URL belongs to a **Google Form** it'll Scrap and will show the information is asking there and analysis those are safe or not
- Developed a process where a user can send a **twitter id** and the model will scrap whole first page tweets and take URLs from the tweets and expand each URL then predict those URLs are Safe or not and if any google form found then same as above
- Model will also work on a paragraph, evaluated prediction with **Virus Total** on 50 Random URLs and got **98% of accuracy**

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

- Developed a GAN Model to generate synthetic images, explored some papers **SimCLR**, **BYOL** and wrote articles in it
- Explored and wrote articles about S**emi-supervised learning, Image Classification**, **Error Analysis**, **LSTM** etc

YOUTH INDIA — **WEB DEVELOPER** — **Aug'20 – Sep'20 (1 Month)**

- Developed an E-commerce web app for the NGO, Being the Group Head of the team gave me the experience to manage

ACADEMICS

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

PROJECTS

Zooskersky — **Python**

- Scrap the illegal information from the web then mined the data and made a perfect dataset for understanding the pattern
- Plot a Histogram and a Graph by that Dataset we made, so it'll be easy for all to understand the focusing time for each wildlife
- Certified as the Winning Project of ZooHackathon, 2019, intended to alert wildlife activists of these illegal activities

Sign Language Live Predict — **Python**

- Developed a Hand-Gesture Recognition Model that converts American Sign Language to English text, per video-frame
- Deployed the strategy using PyTorch which would convert ASL to English, Live, 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

YouCure-HealthCare — **Python**

- Developed a Machine Learning Model (Logistic Regression) where will predict diseases based on your symptoms with the accuracy written and will give descriptions so that you get healed fast, used NLTK Package for the model to understand the text
- Recognized as one of the top finalists of the Amazon Smbhav Hackathon Organized by Amazon with Skillenza

Live Review System — **Python**

- Developed a model that will scrap the first page tweets of a restaurant, movie or anything user need review about then predict sentiment of each tweets and send the review based on 5 star, and will show the AVG of those sentiments (easy to understand)

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

TECHNICAL SKILLS

- Data Science Frameworks: Tensorflow, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn
- Machine Learning: Hands-on implementation of Regression, Classification and Clustering Algorithms
- Deep Learning: DNN, CNN, RNN, LSTM, GRU, NLP, GAN, discriminative and generative models
- Data Management: Mining, Cleaning, Preprocessing, Augmentation, Web-Scraping

HOBBIES AND INTERESTS

- Hackathons and Backend Development
- Statistics, Classical Machine Learning Algorithms, Deep Learning Architectures
- Big Data Handling, Cloud Computing, Quantum Computing
- Football, Cricket, Badminton,