

# Anik Chatterjee

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## 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

<b>hello ML</b>	<b>Machine Learning Content Developer</b>	<b>Feb '21 – May '21 (3 Months)</b>
<ul style="list-style-type: none"><li>Developed a GAN Model to generate fake(synthetic) images</li><li>Explore Some Research Papers and Wrote articles about <b>SimCLR, BYOL</b>,</li><li>Explore and wrote articles about <b>Image Classification, Error Analysis, Data Preprocessing, Tokenizing, Semi – Supervised Learning, LSTM</b></li></ul>		
<b>YOUTH INDIA</b>	<b>WEB DEVELOPER</b>	<b>Aug'20 – Sep'20 (1 Month)</b>
<ul style="list-style-type: none"><li><b>E-commerce web development</b> made an E-commerce web app for the NGO</li><li>Being the Group Head of the team gave me the experience to manage people with the situation</li><li>Explored the Python programming framework Django and the whole web to find the best idea for the website</li></ul>		

## ACADEMICS

Qualification	Institute	Board / University	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

<b>Zooskersky</b>	<b>Python</b>
<ul style="list-style-type: none"><li>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</li><li>Explored The Web Scraping and Find the Data of those illegal activities</li><li>Certified as the Winning Project of ZooHackathon, 2019, intended to alert wildlife activists of these illegal activities</li></ul>	
<b>Sign Language Live Predict</b>	<b>Python</b>
<ul style="list-style-type: none"><li>Developed A deep Learning Recognition Model which Converts The Sign Language(USA) to Human Readable Text</li><li>Deployed the translator using PyTorch which would convert ASL to English, with a test-accuracy of 96.6 percent</li><li>Recognized as one of the top finalists of the India-East Hackathon organized by the Association of Computing Machinery</li></ul>	
<b>SHVN-Project</b>	<b>Python</b>
<ul style="list-style-type: none"><li>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</li><li>Then used the Image Classification model on the Dataset and got near about 90% at test-accuracy</li><li>For understanding better Plot the Graph of Loss vs Epoch and Accuracy vs Epoch</li></ul>	
<b>German to English Translator</b>	<b>Python</b>
<ul style="list-style-type: none"><li>Developed an 'NLP' Model that can translate the German language to the English language</li><li>We can use this to make communication easier</li></ul>	

## 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

<ul style="list-style-type: none"><li>Data Science Frameworks: Tensorflow, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Open-CV</li><li>Machine Learning: Hands-on implementation of Regression, Classification, Clustering and Association Rule Learning Algorithms</li><li>Deep Learning: DNN, CNN, RNN, LSTM, GRU, NLP, discriminative and generative models(GAN ,VAE, Auto Encoder)</li><li>Data Management: Mining, Cleaning, Preprocessing, Augmentation, Web-Scraping</li><li>Data Analysis : SQL, DBMS</li></ul>
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