

Debojit Nath

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EDUCATION

Indian Institute of Technology Madras	2021 - 2023
<i>Diploma in Data Science</i>	<i>Online</i>
Techno India Institute of Technology	2018 - 2021
<i>Bachelor of Computer Application, SGPA: 8.5</i>	<i>Kolkata, West Bengal</i>
Kendriya Vidyalaya Fort William	2009 - 2018
<i>CBSE, GPA: (class 12th) 86.5%, (class 10th) 95%</i>	<i>Kolkata, West Bengal</i>

EXPERIENCE

Data Science Intern	June 2021 - December 2021
<i>Empliance Information Services India LLP</i>	<i>Remote</i>
<ul style="list-style-type: none">Automated Data Mining process from more than 50 sources to create Structured Data for the legal team to use for Compliance CheckFine Tuned HuggingFace model to classify Indian articles for Adverse Media Check with an accuracy of 95%	
Data Science Intern	February 2021 - May 2021
<i>Iha Consulting Services Pvt. Ltd</i>	<i>Remote</i>
<ul style="list-style-type: none">Built a Masked Face Recognition model using TensorFlow Object detection API and then converting to TFLite for optimized performance	

RELEVANT COURSEWORK

Deep Learning Specialization	November 2019
<i>Certificate Link</i>	<i>Deeplearning.ai</i>
Machine Learning	August 2019
<i>Certificate Link</i>	<i>Stanford Online</i>
Mathematics for Machine Learning: Linear Algebra	February 2020
<i>Certificate Link</i>	<i>Imperial College London</i>

PROJECTS

ASL Detection
<ul style="list-style-type: none">Fine Tuned Faster R-CNN ResNet-50 FPN from PyTorch's model zoo for American Sign Language Detection using Detecto
Toxic Comment Classification Challenge
<ul style="list-style-type: none">Participated in the Toxic comment classification challenge on Kaggle and trained a multi-label classification model which scored 0.9845 on public leaderboard
Fashion Apparel classification
<ul style="list-style-type: none">A dataset with imbalanced classes was used to train a Vision Transformer model with re-sampling method to tackle the class imbalance problem and improved the accuracy of the Vision Transformer model from 66% to 69%

TECHNICAL SKILLS

Languages: Python, C++, C
Frameworks: TensorFlow, PyTorch, Fastai, Flask
Libraries: Scikit-learn, HuggingFace, Keras, OpenCV, NLTK, Detecto