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Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	
Intermediate	CBSE	Tulip International School	2019	92.00%
Matriculation	CBSE	Udgam School for Children	2017	10

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 292** in **JEE Advanced** out of **161 thousand** candidates. 2019
- Secured **All India Rank 795** in **JEE Mains** out of **1.1 Million** candidates. 2019
- Received **Kishore Vaigyanik Protsahan Yojana Fellowship**, awarded by the Government of India. 2019

KEY PROJECTS

No Code Machine Learning

August 2020

Independent Project

- Developed a platform using **Django** to enable non-coders leverage the power of **machine learning**.
- Designed an algorithm to **clean** up the input data (training and test) i.e. deal with the **categorical** variables as well as **missing values** and to make it usable for a machine learning model **automatically**.
- Implemented an algorithm that does end to end **training**, **hyperparameter tuning** and **feature engineering** of a **Random Forest** to optimize the results without any human intervention.
- Configured the system to send the model's **predictions** and **feature importance plot** via email.

Identifying Emotions from Voice using Transfer Learning

May 2020

Independent Project

- Developed a system to classify audio files into **8** emotions, based on the tone of the speech and independent of it's content using **Deep Learning**, with a validation set accuracy of **80 %**.
- Converted audio files obtained from **RAVDESS** and **TESS** datasets into **spectrograms** for spectrum analysis.
- Trained a **Convolutional Neural Network** consisting of a **ResNet-34** architecture pretrained on the **ImageNet** Dataset to classify the **spectrograms** obtained using **Transfer Learning**.

Social Media Sentiment Analysing System

September 2020

Independent Project

- Designed a system to measure and visualise public **sentiment** for a particular topic by analysing data from popular social media platforms and multiple news websites using a **Deep Learning** algorithm.
- **Mined** data from social media platforms like **Twitter** and **Reddit** and also from major **news** websites.
- Calculated the sentiment based on a variety of metrics like the **content** of a post, the **reach** of a particular post (i.e retweets, likes, upvotes etc.) and the **location** of origin of a post using **Deep Learning** algorithms.
- Visualised the data obtained using **interactive charts** and **maps** for time and location based analysis.

INTERNSHIPS

Software Engineering Intern | TruckX - Fleet Management, IoT & ELD Platform

Feb 2021 - Aug 2021

- Provided backend support for many key **user** facing features and **IoT** device data management pathways.
- Developed a **debugging** tool to simulate a user account without affecting the production environment.
- Streamlined the **authentication** process by implementing a central service and integrated **caching** into it.

Instructor | CampK12

July 2020 - Aug 2020

- **Mentored** students ranging from Grades **5** to **11** and taught them the basics of **programming**.
- Motivated students to learn programming by helping them build **interactive chatbots**.

TECHNICAL PROFICIENCY

Programming
Softwares

Python, Javascript, HTML, CSS, Julia, C++, MATLAB, ASM, VHDL
AutoCAD, Arduino IDE, Unity, Quartus, Chrome Extension Development, Git