GitHub : github.com/d2Anubis [Niharika]
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NIHARIKA

Education

National Institute of Technology, Durgapur 2018 - Present
Bachelor of Technology in Metallurgical and Materials Engineering; **CGPA : 8.0/10**

Senior Secondary - Central Board of Secondary Education 2016 - 2018
Holy Mission Secondary School, Patna, India; **Percentage : 87.80%**

High School - Central Board of Secondary Education 2005 - 2016
St. Karen's High School, Patna, Bihar, India; **CGPA : 10.00/10.00**

Winter Research Internship - Indian Institute of Information Technology, Allahabad

Nov 2020 - Present

Currently working on the SOTA model to detect hate speech on hit songs. Fine-tuned the BERT model to do multi-classification of song lyrics. Performed transfer learning by training the model on twitter dataset and performed the predictions on songs. Analysed the trends over the years on Billboard top 100 songs.

Award - 1st Runner-up App Dev (Big Data) Hackathon by American Express

Extracted dataset from twitter and made a model using NLP to drive better customer satisfaction.
Technologies used: PySparks, Koalas, Twint, NLTK, Matplotlib, Seaborn
Emerged as first-runner up amidst more than 2500 participants. Received a reward amount of 25k.

Projects [Portfolio : d2Anubis]

Ugly Data : Django blog
UglyData is an initiative taken for teachers who want to share their study materials with students in an efficient manner. Here, the teachers can post their articles, images and videos to make the contents easily understandable to the students. Website : d2anubis.pythonanywhere.com

Loan Prediction (Analytics Vidhya Machine Learning Competition)
Designed a machine learning model to predict the loan eligibility of a customer based on customer credit history and application details. Conducted extensive data analysis across all parameters to understand the details of the credit industry. Used classification models like logistic regression and random forest.

Bike Sharing Demand (Machine Learning project from Kaggle)
Created a machine learning model to estimate the total number of rented bikes given various climatic and other features. Used various ensemble models with hyper-parameter tuning.

Skills

Languages	C, C++, Python
Analytics	My SQL, Tableau basics, Supervised Learning, Data Analysis, Documentation and reporting
Basic Web designing	HTML, CSS, Django, Adobe XD
Python Libraries	Numpy, Pandas, Matplotlib, Seaborn, Sklearn, Steamlit

Achievements

- Top 5 percentile in Jantahack Machine Learning Contest organised by Analytics Vidya.
- Secured 384 rank among 2653 participants in women-in-the-loop hackathon organized by Bian and Company.
- Participated in LTFS Data Science Finhack2 and secured 731 rank among 6391 participants
- Completed Hacktoberfest 2020 by contributing in various open source repositories.