TUSHAR SINGH DIWAKAR

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electrical Engineering IIT (BHU), Varanasi	8.81	2022

Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Sem VII	Sem VIII
8.63	8.27	8.68	9.64	-	-	-	-

CBSE (XII)	National Victor Public School , Delhi	94.20	2018
CBSE (X)	National Victor Public School, Delhi	95.00	2016

SKILLS

- **Languages** : C , C++ , Python , SQL , HTML , CSS
- **Technologies** : Git , Jupyter Notebook ,Tensorflow, Sci-Kit Learn ,NumPy
- **Areas Of Interest** : Data Structures And Algorithms ,Deep Learning,Natural Language Processing

PROJECTS

Misogynistic And Aggressive Statements Classification   Jan,2020 - March,2020
- Effectively applied techniques such as Data Visualization, data cleaning, feature pre-processing, Oversampling and Under-sampling for data preparation.
- Used Convolutional Neural Network with glove embedding for prediction of labels, transfer learning models such as BERT were used for final approach.
- **Exposure** : Embeddings (Glove), NumPy, Pandas, Scikit Learn, Keras

Image Denoising Using Deep Convolutional Autoencoders in Keras   April,2020 - June,2020
- Applied a Deep Convolutional Denoising Autoencoder to denoise corrupted images.
- The network consisted of convolutional, dropout and batch normalization layers , LeakyReLU used as the activation function.
- **Exposure** : TensorFlow, Matplotlib, Pandas, NumPy

Bank Loan Approval Django Web Application   Jan,2020 - March,2020
- Build a machine learning model that approves or declines the loan request based on customer's income threshold ,credit history, martial status,etc.
- Used Support Vector Machines to do binary classification, developed Rest API using Django Rest framework . For front-end used HTML, CSS,Bootstrap.
- **Exposure** : Support Vector Machines, Sci-Kit Learn,Django ,HTML ,CSS , Bootstrap

CERTIFIED COURSES

- Convolutional Neural Networks , Sequence Models : Deeplearning.ai
- Applied Machine Learning : Michigan State University

POSITION OF RESPONSIBILITY

Marketing Co-Cordinator Technex'19   Jan,2019 - March,2019
- Presented ideas and strategies to sponsors for better marketing of their products.
- Launched marketing campaigns and brought sponsors.

HONOURS AND ACHIEVEMENTS

- **Highest Percentage** in Science Stream in Class 12 CBSE Board Exams in School.
- **1st position** in essay writing competition at **Parliament of India**, award presented by **Mrs.Meira Kumar(15th Speaker of Lok Sabha)**
- **85th college rank** out of 2000+ students on **geekforgeeks coding section.**
- 213th rank out of 5800+ **(top 4%)** participants in **Hackerearth's deep learning image classification challenge**.
- My project figured **among top 20 projects on** "analyzing and forecasting scenario of COVID-19 virus in country" challenge organized by IOT academy in association with **Kaggle**
- **1st position** in Heelturn group dance event in **IIT-Patna Anwesha**
- **3th position** in exploring the interstellar , **Astronomy club** event in IIT-BHU Technex'19

EXTRA-CURRICULAR ACTIVITIES

- Represented IIT-BHU at 4th **Inter IIT Cultural Meet at IIT Bombay**
- Represented IIT-BHU dance crew at **Vivacity'20 LNMIIT, Jaipur**.
- **Mentored** And **Choreographed** the group dance team for **Aagman'19** (Annual Cultural event)

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