

Divyansh Kushwaha

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ACADEMIC DETAILS

B Tech (ECE)	2021-2025	MMMUT, Gorakhpur	7.90/10.0
Class XII (UP Board)	2019	Sun de Sun Public Inter College	79.2%
Class X (UP Board)	2017	Sun de Sun Public Inter College	87%

PROJECTS

Wine Quality Prediction | [link](#) | Python, ElasticNet Regression, MLFlow, Flask

- Led the development of an end-to-end machine learning project leveraging MLFlow and Flask, from data preprocessing to model deployment to address Wine Quality Prediction.
- Implemented pipelines for data preprocessing, model training, evaluation, and deployment using MLFlow, ensuring reproducibility and scalability of the project.
- Built and trained machine learning model 'ElasticNet' using scikit-learn and integrated the Flask application with MLFlow's model serving capabilities.
- Calculated R2_score, MSE and RMSE on the basis of various values of Learning Rate and l1_ratio.

Movie Recommender System | [link](#) | Python, Streamlit, Amazon EC2, NLP

- Developed a content-based movie recommender system using NLP techniques like CountVectorizer and PorterStemmer to process movie descriptions.
- Implemented a content-based recommendation algorithm using cosine similarity to measure how close one movie's description is to another.
- Utilized Python, Pandas, Scikit-learn and Streamlit for data preprocessing, model building and User Interface development.
- Deployed the application on Amazon EC2 instances, ensuring that it is accessible online. Configured the necessary security groups to allow HTTP/HTTPS traffic.

SKILLS

Technical Skills: Python, Data Structures and Algorithms, Object Oriented Programming, SQL (MySQL), Pandas, Seaborn, Matplotlib, Statistics, Machine Learning, Deep Learning, Scikit-learn, Tensorflow, Keras, Neural Networks (ANN, CNN, RNN), Natural Language Processing, AWS (Sagemaker, EC2), Flask

Soft Skills: Communication, Teamwork, Leadership, Problem solving

CERTIFICATIONS

- Probability and Statistics for Machine Learning and Data Science- [DeepLearning.AI](#) October 2023-January 2024
- Mathematics for Machine Learning- [Imperial College London](#) September 2023- January 2024
- Databases and SQL for Data Science with Python- [IBM](#) January 2024
- Generative AI with Large Language Models- [DeepLearning.AI](#) May 2024

POSITION OF RESPONSIBILITY

- Executive Board Member – SAE :** Led different events including academic seminars, technical fests, workshops and demonstrating strong organizational skills and attention to detail.
- Coordinator of organizing team of annual Technical Fest 'TechSrijan' of MMMUT.
- Member of Sponsorship Team for Organizing Annual Technical Fest.