AMAN BHATT

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SUMMARY

Data enthusiast and a proficient data scientist with a background in civil engineering. Currently working as a machine learning engineer, applying advanced algorithms and techniques to solve complex problems. Passionate about leveraging data-driven insights to address real-world challenges. Continuously learning and seeking opportunities to further enhance my skills in data science.

WORK EXPERIENCE

Machine Learning Engineer, *Climate Connect Digital* 06/2022 – present
Gurugram

- Conducted extensive research and development on price forecasting at IEX, through rigorous analysis and experimentation with diverse models. Implemented innovative strategies, utilizing the lightgbm model, achieving a notable 7.5% MAPE.
- Developed advanced models for predicting UK electricity market Imbalance Prices (SSP, SBP), specifically targeting fluctuations in demand and supply. These models are designed to enhance accuracy in forecasting within the dynamic framework of the market.

Engineer, S & B *Engineers & Constructors* 08/2019 – 09/2020
Noida

- Designed foundation for different equipment and structures that are usually present in oil refineries using softwares like AutoCAD, StaadPro, RISA Base, Foundation 3D, RAM Connection etc.

TECHNICAL SKILLS

Data Science/Machine Learning/Deep Learning
Python, SQL, Statistics, Data Visualization, Feature Selection techniques, Machine Learning algorithms, ANN, CNN, RNN, LSTM, GRU

Python packages and Frameworks
Numpy, Pandas, Matplotlib, Plotly, Scipy, Scikit-learn, Tensorflow, Keras, Pyspark, Streamlit

EDUCATION

Civil Engineer, *Aligarh Muslim University* 2015 – 2019
Grade: 9 CGPA

Intermediate, *Bal Vidya Mandir Sr. Sec. School* 05/2014
Percentage: 91.25%

PROJECTS

Movie Recommendation System
Developed a streamlit web application for a content-based movie recommender system using cosine similarity based on TMDB datasets of more than 5000 movies.

IPL Win Probability Predictor
A machine learning-based web application that estimates the probability of an Indian Premier League (IPL) cricket team winning a match. It takes into account various match conditions and factors to provide a prediction of winning probabilities for each team.

Olympics Data Analysis
Analysed the past years' summer Olympics record between 1896 and 2016.