Vasu Bhadra Singh

Data Analyst

Driven Data Science enthusiast ready to thrive in demanding digital intelligence processing environments. Well-informed on latest machine learning advancements. Ready to combine tireless hunger for new skills with desire to exploit cutting-edge data science technology.

vasubhadra@gmail.com

+91-9899759015

New Delhi

datablogger-ml.github.io

linkedin.com/in/vasu-bhadra

github.com/datablogger-ml

EDUCATION

BTech, Electronics and Communication Engineering

Vellore Institute of Technology

2016 - 2020

Courses

- CGPA - 8.13

High School - CBSE

Apeejay School, Noida

2014 - 2016

Courses

- Class X - 9.0/10
- Class XII - 92.4%

WORK EXPERIENCE

Data Science intern

Group Data Analytics, Aditya Birla Management Corporation

02/2020 - 07/2020 *Bangalore*

Achievements/Tasks

- Worked on coming up with analytical solutions for the SSOE Trading team for **Crude Oil Forecasting**.
- Assessed the effectiveness and accuracy of new data sources and data gathering techniques.
- Generated insights by finding relationships between different Independent variables using correlations and Exploratory Data Analysis.
- Implemented advanced algorithms like various univariate Time Series (ARIMA, SARIMA) and multivariate forecasting Models(XgBoost, RandomForest) with Hyper-parameter tuning.
- Assisted in achieving a Forecasting accuracy of 97% and a Directional accuracy of 55% for a testing period of 5 months.
- Researched and added a Twitter Based News Analytics solution to identify the market sentiment of crude oil for the next day.
- Succeeded in correctly classifying the price change in Crude oil for each day using Twitter Classifier with an accuracy of 60%.

SKILLS

Python | MySQL | Time Series Forecasting | Machine Learning | Deep Learning | Data Analysis

PROJECTS

AiCaption - Automatic Caption Generator

- Deployed a web application on Heroku that automatically generates the best captions for an uploaded photo.

Twitter Analytics with Python

- Scraping Twitter Data with Python-Twitter API.
- WordClouds for quickly perceiving the most prominent terms and Topic Modelling for finding natural groups of items.
- Using sentiment analysis tools to analyze opinions in Twitter data can help understand how people are talking about certain topics.

Industrial Production Forecasting

- Forecasting the Monthly Production of Ice cream and frozen dessert using various time series methods like Holt-Winters, ARIMA and SARIMA with Hyperparameter optimization.
- Obtained MAPE - 2.2%

Anomaly Detection

- Detecting Anomalies in the S&P 500 Time Series index using LSTM Autoencoders with Keras in TensorFlow 2.

PYTHON LIBRARIES

pandas, numpy, matplotlib, plotly, seaborn, scikit-learn, tensorflow, statsmodels, xgboost, nltk, spacy

CERTIFICATIONS

Neural Networks and Deep Learning

Machine Learning A-Z

Time Series Analysis for Python

IBM Data Science

Python 3: Complete Bootcamp

INTERESTS

Football | Gaming | Drawing