Vasu Bhadra Singh

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

07/2016 - 07/2020

Courses

- CGPA - 8.13

High School
Apeejay School , Noida

04/2015 - 04/2016

Courses

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

WORK EXPERIENCE

Data Science intern
Group Data Analytics, Aditya Birla Management

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.
- Developed various univariate Time Series and multivariate forecasting Models with Hyper-parameter tuning.
- Twitter Based News Analytics to find the market sentiment of crude oil for the next day.
- Helped achieve a Forecasting accuracy of 97% and a Directional accuracy of 55% for a test period of 5 months.
- Baseline Twitter Classifier model able to acheive an accuracy of 60% in correctly classifying the price change in Crude oil for each day.

SKILLS

Python | MySQL | Machine Learning | Deep Learning | Data Visualisation

PROJECTS

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 and visualizing trends using WordClouds and TopicModelling.
- Tokenization,Stop Words removal and Lemmatization of Tweets, LDA model performance using Log Likelihood and Perplexity.
- Grid Search for LDA Model Optimisation.

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.

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