Digbijay Patra

Data Scientist | Machine Learning

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Summary:

Analytics professional with **3 years** of IT experience including **1+ years** of experience using **predictive modeling**, **data processing, Exploratory Data Analysis (EDA),** and **data mining** algorithms to solve challenging business problems using **Machine Learning** and **Deep Learning** Algorithms.

Professional Experience:

SEPTEMBER 2020 – PRESENT
Innodatatics, Hyderabad — ASSOCIATE DATA SCIENTIST

Project – (1) Preventive Maintenance: (A Case Study using **ML** from Food and Beverage Industry)

- Work on large scale datasets to analyze using **Influx DB & EDA** technique done by **python** and its library such as **pandas and NumPy, SK Learn** etc.
- Visualize the data using **Matplotlib, Plotly and Seaborn**.
- Work with data scientists and product managers to frame a problem both mathematically within the business context.
- Use **machine learning** and **statistical modeling** techniques to develop and evaluate algorithms to improve performance, quality, data management, and accuracy.
- The **SARIMA** AND **ARIMA** Models were used to predict the values for the next 24 hours.
- Using an **LSTM** model, we are free and able to decide what information will be stored and what discarded.
- Deploy the model Using **Python Flask**

Project – (2) Wind Turbine Failure prediction

- Participated in all phases of project life including data collection, in the development, validation and delivery of algorithms, **statistical models** and reports creating. Solved complex analytical problems.
- Performed **EDA** to take care of missing values, handling Categorical features, Handling imbalance data set and feature selection by using **Python**.
- Used **ARIMA** model to **forecast** a **time series** using the past values and built an optimal **ARIMA** model from scratch and extend it to **Seasonal ARIMA (SARIMA**) and **SARIMAX** models using **python**.
- The deployment was done using **Flask** including **AWS EC2** and **Heroku**.
- Extensively used **Tableau** to manipulate large data and develop visualization **dashboard**.

OCTOBER 2018 – SEPTEMBER 2020
Sage Group Technologies, Inc, Noida - Recruitment Analyst – IT

Responsibilities:

- Direct Client's: University of Washington, State of Oregon, State of Mississippi, **Verizon**, **Qualcomm**, PPG Industries, Direct Vendors: Birlasoft, **APEX**, Kforce, Disys, 3rd Party Vendors: **IBM**, **Accenture** & SAP America
- Managed and worked with different candidates (**US Citizens, Green Card Holders, TN, H1B, EAD** - employment authorization document).
- Dealing with the candidates or employers on Various Payment terms like **W2, 1099, C2C** (Corp to Corp) for all type of jobs like Contract, Contract to Hire **(C2H)** and Permanent/Fulltime.

Technical Skills:

- Python
- Machine Learning
- Deep Learning
- Natural Language Processing (NLP)
- Tableau
- Data Analysis
- Big Data
- EDA
- Statistic
- SQL | MySQL
- Library- Numpy, Pandas, sklearn, keras TensorFlow, Matplotlib, seaborn etc.
- Model Deployment- Flask, AWS(EC2), Heroku

Education:

- Master of Computer Application (**MCA**), Balasore, BPUT, Odisha, 2018 with 8.0 CGPA.
- Bachelor of Computer Application (**BCA**), Balasore, Fakir Mohan University, Odisha, 2016 with 71.66%.

Professional Certifications:

- Certified **Python programme**r from Grace Tech Solutions, Noida, Delhi (NCR), India 2019
- Certified **Data Science Certification** from 360DigiTMG, Hyderabad, India 2020
- Certified **Tableau Server** Data Visualization from 360DigiTMG, Hyderabad, India 2020.

Personal Projects:

Real Estate Price Prediction Project:

- Its a **Regression** Problem where I have to predict the house pricing according to the area in Bengaluru Location, in this regression problem I used **Linear Regression** to predict the price according to the area**.**

Loan Prediction Classification:

- It is a **classifications** problem where I have to predict whether a **loan** would be approved or not, in this **classification problem**, I have to predict **discrete** values based on a given set of independent Variables.