Jayshri Bodke

Data scientist

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➢ **Career Objective:**

Data-driven and detail-oriented data scientist with a strong foundation in **statistical analysis, machine learning**, and **data visualization**. Seeking to leverage my expertise in predictive modeling, data mining, and **big data** analytics to solve complex business problems and drive informed decision-making in a forward-thinking organization. Committed to **continuous learning** and applying innovative techniques to deliver actionable insights and optimize performance.

➢ **Experience:**

- Data Science Engineer

VMware Software India Pvt Ltd , Pune   *May 2022 - Present*

- Analyze large amounts of information to discover trends and patterns, Build predictive models and ML algorithms.
- work with management to prioritize business and information needs.
- Experience in developing and validating data- driven solutions, including successful proofs of concept(**POC**) in predictive modeling and analytics.

➢ **Professional Experience Summary:**

- Experienced Data Scientist with over **2 + years** of expertise in leveraging advanced **analytical techniques, machine learning**, and **statistical modeling** to solve complex business problems. Skilled in extracting actionable insights from **large datasets**, **building predictive models**.
- Proficient in managing the entire data science **project life cycle**, including data acquisition, cleaning, feature engineering, feature selection, modeling, testing, validation, and visualization.
- Hands on Experience in Python and its libraries, including **NumPy , Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, PyTorch, NLTK, and Plotly.**
- Conducted extensive **Exploratory Data Analysis** (EDA) to uncover patterns, detect anomalies, and test hypotheses, enhancing model insights and performance.
- Conducted extensive data manipulation, preparation, normalization, and predictive modeling, improving model performance.
- Experienced in database management using **MySQL (SQL)** and skilled in integrating databases within data science projects.
- Creating Dashboard on **PowerBI**

- Good knowledge on **networking** concepts(Devices/IP Addresses/ports & protocols, different attacks and their mitigations)

➢ Technical skills:

- **Programming Languages:** Python,HTML,Java Script **Data Analysis**: Pandas, NumPy, Scikit-learn
- **Visualization:** Matplotlib, Seaborn, , powerBI , Tableau **Cloud Platforms:** AWS.
- **Operating Systems:** Windows, Linux.

➢ Project Undertaken:

- **Project 1# Project Name: Flight Cancellation Prediction**
- **Project Objective:** Developed a machine learning model to predict the likelihood of flight cancellations based on historical data and various external factors, such as weather conditions, airline performance, and seasonal trends. The goal was to help airlines proactively manage operations, minimize passenger inconvenience, and reduce financial losses.
- **Key Responsibilities:**
- Aggregated and cleaned large datasets from multiple sources, including historical flight data, weather information, and air traffic reports.
- Created relevant features such as weather delays, holiday periods, flight routes, and airline performance metrics to improve model accuracy.
- Implemented the model in a cloud-based environment to allow real-time prediction for flight cancellations. Integrated the model with airline operational systems.
- Created interactive dashboards using Tableau to visualize predictions and provide insights to the operations unexpected flight cancellations, improved resource allocation, and enhanced passenger satisfaction.
- **Tools & Technologies:** Python, Pandas, Scikit-learn, SQL, Tableau, AWS, Jupyter Notebooks.

➢ Academic Credentials

- Diploma in **Information Tech**. from MSBTE **|** 2014
- Bachelor of Engineering in **Computer Science** from SRTM University **|** 2017

➢ Personal details:

- **Languages Known:** English, Hindi & Marathi.
- **Address:** Bangalore.
- **Gender:** Female.