Aripaka Lakshmi Prathyusha
Data Scientist

CAREER OBJECTIVE

To work on a challenging job profile which provides an opportunity to enhance my technical skills & knowledge, this could provide me an insight into new aspects to help me achieve personal as well organizational goals.

EXPERIENCE

Data Scientist Intern —I*nnomatics Research labs*

February 2023 – PRESENT

- Secured **Top 10%/ 3000 candidates** in Hackathon organized by **Innomatics Research Labs** Data Science Internship Program.
- Assisted the data science team in developing predictive models and conducting data analysis.
- Acquired in-depth knowledge of data pre-processing techniques, feature engineering, and model evaluation.
- Collaboratively working on a detection model project.
- Applied feature selection algorithms to models predicting outcomes of interest, such as sales.

Data Analyst Intern — *Abhyaz MTAB Technology*

January 2023- Feb 2023

- Produced analytical dashboards of company insights Gained in depth knowledge in Analysis and software used Zoho Analytics, CRM Analytics.
- Cleaned up and backed up data to maintain data integrity during extraction, manipulation and processing.
- Ran data analysis reports and distributed to management staff.
- Appreciated for my work and felicitated with a certificate.

PROJECTS

1.Predictive Customer Churn Model

- Developed a machine learning model to predict customer churn using historical customer data.
- Performed data pre-processing, feature selection, and model evaluation.
- Achieved an **accuracy of 85%** on the test dataset, leading to actionable insights for customer retention strategies.

2.Book Recommendation System

- Developed a personalized Book Recommendation System using collaborative filtering techniques and machine learning algorithms.
- Implemented collaborative filtering algorithms such as user-based and item-based approaches to capture similarities between users and books.
- Integrated the recommendation system into an interactive web application, allowing users to receive personalized book recommendations based on their preferences.

3.Bitcoin Time Series Analysis

- Implemented a Time Series Analysis project to predict Bitcoin closing prices using Long Short-Term Memory (LSTM) networks.

- Evaluated the model's performance using evaluation metrics such as MSE, squared error RMSE,MAE.
- Utilized Python and deep learning libraries such as Kera's or TensorFlow for model implementation and training.

4.Sentiment Analysis on Social Media Data
- Built a sentiment analysis system to classify social media posts into positive, negative, or neutral sentiments.
- Utilized natural language processing techniques and trained a deep learning model using a **dataset of 10,000** labelled tweets.
- Achieved an **accuracy of 82%** on the test set, enabling sentiment analysis for brand reputation monitoring.

SKILLS

Technical Skills: Python, My SQL, Machine Learning, Natural Processing Language, Deep Learning, Computer Vision

Frameworks: Pandas, NumPy, Seaborn, Matplotlib, Stream lit, MlOps

Software: Zoho Analytics BI, Zoho CRM

 Tools: Tableau, Power BI

Backend: Flask

INTERPERSONAL SKILLS

- Adaptability to changing environment
- Works with positive attribute to contribute the health functioning of Organization
- Self -confident and great patience

Languages

Fluent in Telugu, English and Hindi

EDUCATION

- IBM certified Data Science Course — *Innomatics Research Labs*　　　August 2022 -Present
- BSC Computer Science, SavitriBai Phule University— *Degree*　　　August 2019 - June 2023
  GPA 7.8/10.0

PERSONAL INFORMATION

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CERTIFICATIONS & TRAININGS

- Certified AWS for Beginner by Great Learning