ABIN RAJU

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Professional Summary

Adept at leveraging Python and machine learning techniques, I enhanced data analysis capabilities at IDatalytics, unveiling critical insights through advanced algorithms and interactive Tableau dashboards. My effective communication and problem-solving skills were pivotal in optimizing models and presenting complex findings, driving data-driven decisions.

Experience

Data Science Intern, 09/2024 - 12/2024
IDatalytics

- Implemented supervised and unsupervised learning algorithms for classification tasks, including clustering and anomaly detection.
- Analyzed large datasets to uncover insights, trends and patterns using Python, R, SQL and Tableau.
- Created interactive dashboards in Tableau for visualizing data and presenting results to stakeholders.
- Cleaned and manipulated raw data using statistical software.
- Optimized machine learning models using hyperparameter tuning techniques such as grid search and cross-validation.
- As a data science intern, I've mastered tools including Pandas, NumPy, scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn, Flask, Jupyter Notebook

Education

BTech: Computer Engineering, 07/2024
Lourde Matha College of Science and Technology - Trivandrum
GPA: 7.5

Skills

- Python ,Object-oriented programming
- Machine learning ,Neural networks
- Scikit-learn ,Pandas ,Keras library
- Feature engineering ,Sentiment analysis ,NLP
- Html ,Css ,Javascript
- Django framework ,Flask framework
- Tableau ,SQL
- Problem-solving ,Effective communication

Certifications

- Fundamentals of Quantitative Modeling from Wharton University Online
- Introduction to Spreadsheets and Models from Wharton University Online
- Foundational Level in Programming and Data Science from IIT Madras

Projects

1. Intern Attrition Prediction:
I developed a comprehensive intern attrition prediction system using machine learning. Leveraging the K-Nearest Neighbors (KNN) algorithm, I built an effective predictive model to identify at-risk interns. This project was deployed using Flask, enabling a user-friendly web interface for real-time predictions.
Tools Used:Pandas, Scikit-learn, Matplotlib, Flask
2. Stock Market Prediction:
Developed a sophisticated stock market prediction system using Long Short-Term Memory (LSTM) neural networks. The model was designed to predict future stock prices based on historical data. The project was deployed using Flask to create an intuitive web application that allows users to input stock symbols and receive real-time predictions.
Tools Used:Pandas, Flask, Scikit-learn ,Numpy