Aftab Uddin

mail@aftabby.com | aftabby.com

github.com/aftabby | linkedin.com/in/aftabby

Skills

Languages: Python, SQL, Bash
Libraries: Numpy, Pandas, Matplotlib, Seaborn, Plotly, Scikit-Learn, TensorFlow, PyTorch
Technologies & Tools: Power BI, MySQL, SQLite3, Flask, Docker, Azure, Git, GitHub

Experience

Data Science Intern, GrowthGen AI – Remote   Nov 2024 – Mar 2025
- Enhanced data quality through cleaning, cutting preprocessing time by almost 2 hours per project
- Performed EDA, uncovering insights and delivering 5 actionable recommendations
- Built accurate predictive models, enhancing targeted marketing efforts with 85%+ accuracy

Projects

Sleep Disorder Detection   (aftabby.com/sleep-disorder)
- Developed a *Flask*-based web application to predict sleep disorders such as Insomnia and Sleep Apnea using machine learning models, achieving a testing accuracy of *89.38%* with the *Random Forest Classifier*
- Designed and implemented interactive visualizations using *Plotly* and *Power BI* to analyze key factors like BMI, gender, and occupation influencing sleep disorders
- Deployed the application in a *Docker* container, ensuring scalability and ease of deployment, with comprehensive documentation available on *GitHub*

E-Commerce Delivery Prediction   (aftabby.com/ecomm-delivery)
- Predicted e-commerce product delivery times, leveraging advanced machine learning models such as *Random Forest*, *Decision Tree*, *Logistic Regression* and *KNN Classifier*
- Conducted comprehensive data analysis and visualization, including *Exploratory Data Analysis (EDA)* and *Power BI* dashboards, to derive actionable insights into customer behavior and delivery factors
- Deployed the application on *Microsoft Azure* using *Docker* containers, integrated with *Cloudflare* for enhanced security and performance optimization

Open-Source Contributions

pandas-dev/pandas-stubs   (github.com/pandas-dev/pandas-stubs/pull/894)
- Refined *names* argument in *pd.concat()* method to support *None* values in Pandas official library
- Included 5 new unit tests to validate the updated behavior of *pd.concat()* with *names=None*

ogre-run/miniogre   (github.com/ogre-run/miniogre/pull/8)
- Converted *.ipynb* files to *.py* to enable accurate dependency extraction
- Enhanced the existing method for retrieving requirements by integrating the converted files

Education

United International University   2025
B.Sc. in Electrical and Electronics Engineering
Relevant Coursework: *Linear Algebra, Applied Machine Learning for Signal Processing, Machine Learning for Embedded Systems*