Aftab Uddin

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[github.com/aftabby](https://github.com/aftabby/) | [linkedin.com/in/aftabby](https://www.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](https://www.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](https://www.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](https://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](https://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*