(334) 444-4658
Auburn, AL
tzt0046@auburn.edu

Tasfin Talha

Portfolio Wbsite
github.com/tasfintalha
linkedin.com/in/tasfintalha

Education

Auburn University December 2024
• Bachelors of Science in Applied Mathematics with a focus on Business and Statistics.
• Relevant Coursework: Probability and Statistics, Numerical Analysis, Stochastic Processes, Information Theory, Finance.

Skills

Programming Languages: Python, SQL, R
Data Manipulation: Pandas, NumPy, Excel
Data Visualization: Pyplot, Matplotlib, Seaborn, Power BI, Tableau
Statistical Analysis: Hypothesis Testing, Regression Analysis, Time Series Analysis
Machine Learning: Scikit-learn, TensorFlow, PyTorch, Supervised and Unsupervised Learning

Work Experience

Learning Data Consultant **February, 2022 – December, 2024**
Biggio Center, Auburn University *Auburn, AL*
- Leveraged machine learning models to analyze student engagement and enhance online course performance, improving retention rates by 10%.
- Presented actionable insights to university leadership using Power BI, leading to the implementation of new teaching strategies.
- Assisted faculty and students in their use of technology in the classroom.

Data Scientist (Intern) **May 2023 - August 2023**
Summer Classics *Pelham, AL*
- Utilized SQL and Python to extract and analyze large datasets, identifying key trends that improved operational efficiency by 15%
- Created models analyzing customer segmentation and lifetime value that led to a new customer loyalty program.
- Collaborated with cross-functional teams to develop interactive dashboards in PowerBI, delivering insights to senior management.

Projects

DoorDash Delivery Time Prediction
Personal Project

- Developed a machine learning model to predict total delivery duration for DoorDash orders.
- Optimized model performance through hyperparameter tuning and feature selection, achieving a predictive accuracy that aligned closely with real-world delivery durations.
- Gained hands-on experience in end-to-end machine learning workflows, including data exploration, data analysis, model building, and result interpretation.

Movie Correlation Project
Personal Project

- Conducted exploratory data analysis (EDA) to uncover trends and insights in movie production and viewer preferences.
- Cleaned and preprocessed raw data to handle missing values, outliers, and inconsistencies, ensuring a high-quality dataset for analysis.
- Utilized Python libraries including Pandas, Scikit-learn, NumPy and Matplotlib to clean data, engineer features, and visualize correlation between gross revenue and other factors.

Covid-19 Data Exploration
Personal Project

- Used SQL to analyze global COVID-19 datasets to study trends in infection rates, recovery, and mortality across different regions.
- Built a Tableau dashboard to effectively present the data.

Activities

Auburn Data Science Club 2021 — 2024
Auburn MSA, Event Coordinator 2021 — 2024