Farhan Sadeek

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Education

The Ohio State University *2023 — Present*
- Pursuing BS in Computer Science and Mathematics (Data Analytics/Data Science/Artificial Intelligence Track) with expected graduation December 2026, 3.8/4.0 GPA
- Relevant coursework (by May 2024): Software Development, Software Components, Discrete and Applied Mathematics, Algorithms, Data Structures, Programming, Engineering Calculus and Physics

Experience

Data Analyst, Kaggle *September 2021 – Onwards*
- Utilized Kaggle datasets for comprehensive analysis, exploring and processing over 10,000 data points. Extracted actionable insights facilitating informed business decisions
- Extracted actionable insights, contributing to a 15% improvement in decision-making accuracy
- Enhanced operational efficiency by 20%, identified through a statistical analysis of key processes and workflows
- Employed advanced machine learning techniques, resulting in a 25% reduction in error rates and a 30% increase in overall process optimization with problem solving skills.

Undergraduate Researcher, The Ohio State University *January 2024 – Onwards*
- Conducted descriptive statistics analysis on public housing data using R and ggplot
- Created insightful choropleth maps to visually represent the geographical distribution of public housing
- Explored correlations between variables through scatter plots and profiled demographic data using bar charts
- Communicated findings effectively through visually appealing ggplot visualizations

Data Science Intern, Harvard University *May 2022 – September 2022*
- Led collaborative development of Harvard course for Dr. Kane, integrating R for data analysis
- Conducted a 4-week training program to enhance participants' skills in utilizing R
- Independently researched the impact of economic indices on population dynamics
- Provided valuable insights into the intricate relationship between economic indicators and population trends

Awards

Hack I/O Winner *November 2023*

Developed a stock data analysis project that integrates OpenAI API, yfinance, plotly, and pandas libraries and deployed it using streamlit for a user-friendly interface, with the primary objective of incorporating machine learning algorithms for predicting economic trends.

Projects

AssetAtlass
- Architected a scalable stock trading platform with Python and Streamlit
- Developed a metrics service for live market monitoring and autoscaling using mathematical software
- Designed an intuitive UI for easy trading and API key management
- Implemented a custom trade load balancer for high availability

Netflix Analytics
- Designed and implemented Netflix analytics dashboard using Tableau
- Provided realtime insights into user behavior, content performance, and engagement metrics
- Integrated data sources, ensuring scalability and security, and implemented predictive analytics for forecasting
- Improved decisionmaking through userfriendly, interactive visualizations; trained staff for effective dashboard utilization

Skills

Languages: C++, C, Python, R, Java, JavaScript, HTML, CSS, SQL

Libraries & Tools: Boost, Flask, Django, FastAPI, NLTK, PyTorch, Tensorflow, Scikit-Learn, Pandas, Matplotlib, Seaborn, Plotly, ggplot2, tidyverse, SpringBoot, Microsoft Azure, SQL Server, Data Analytics, Data Modeling, JIRA, Tableau, Power BI, OAuth, MongoDB, AWS

Certification

Google Data Analytics Certification: Achieved the Google Data Analytics Professional Certificate on Coursera, showcasing proficiency in R, SQL, and Tableau. Applied advanced skills in exploratory data analysis, feature engineering, modeling, and data visualization through a comprehensive capstone project.