Shaoni Mukherjee

+91-8892043677 · linkedin.com/in/shaoni-mukherjee/ · shaonimukherjee.github.io/shaoni.github.io/
github.com/ShaoniMukherjee · shaomukherjee@gmail.com

DATA ANALYST

Experienced data analyst skilled in gathering, structuring, and interpreting information from diverse sources. Proficient in leveraging data to drive business decisions and improve the quality and efficiency of data systems. Demonstrated expertise in identifying patterns and trends within data sets and conducting comprehensive result analysis. Collaborates effectively with cross-functional teams and management to identify and address business needs. Proficient in collecting and interpreting data, and delivering insightful reports to key stakeholders. Adept at designing data-driven dashboards to cater to specific business requirements.

KEY COMPETENCIES

Python | SQL | AWS Sagemaker | Excel | Apache Hive | Airflow | Tableau	Data Analysis | Visualization | Statistical Analysis | Machine Learning | Business development	Team Player | Communication | Hypothesis Testing | Problem Solving

PROFESSIONAL EXPERIENCE

Portcast.io (Singapore)   **2021 - 2022**
Data Scientist | Analyst
Portcast makes global supply chains more predictive and dynamic. The technology enables logistics companies to improve profitability through dynamic demand forecasting and real-time vessel and container tracking

Accomplishments:
- Worked on ETA (Estimated Time of Arrival) prediction engine to improve and maintain state-of-the-art generalized additive models.
- Worked on Geo-spatial data records to decode pattern and improve model.
- Created automated scripts using python to increase performance by 10 hrs, per week to reduce manual work. Accuracy review, report generation, data visualization using libraries such as plotly, seaborn, matplotlib.
- Wrote production-level code on pycharm, for ML pipelines with feature engineering, data processing, model training.
- Designed custom algorithms to detect anomalies in data and automated the process.
- Worked on QA process to ensure product quality

Portcast.io (Singapore)   **2021**
Data Science Intern
Deployed an automated guidance system to accept incoming booking in a vessel by focussing on bookings that require expert clarifications. The system works by utilizing a combination of artificial intelligence and machine learning to identify bookings that will either get accepted or rejected.

Accomplishments:
- Based on a Random Forest Model, the guidance system was able to attain an accuracy of above 80% from the base accuracy 55% .
- Used SHAP to interpret the black box model and the significant features.
- The predictive model developed was able to increase and optimize customer experiences, revenue generation, decrease the customer time spent to analyze the bookings by 85%.
- Increase the model precision by 13%

Ignitus (Pittsburg)   **2021**
Data Science Intern

Worked on Customer Segmentation and Analysis using KNN of a store in order to increase revenue.

Accomplishments:
- Extensive Exploratory Data Analysis to understand the behavior of the customers.
- Worked on Customer Segmentation and Analysis using K-Means clustering of a store in order to increase revenue.
- Closely observed the distributed customers to understand the meaning of each clusters.
- Implemented a long term pricing experiment that improved customer lifetime value by 23%.
- Helped to provide better solution so that all classes of customer contribute significantly to the revenue generation of the company.

Ansr Source (India)   **2018 - 2020**
Data Science Subject Matter Expert

Ansrsource provides the expertise and capacity one needs to build effective and affordable programs—courses, modules, assessments, and simulations—to help learners grow.

Accomplishments:
- Performed conceptual testing of data science content.
- Helped in Providing high level content to University students by creating engaging videos, lectures, notes.
- Worked with university TA's to research on specific subjects and research areas.
- Worked as Subject Matter Expert to help university students understand critical concepts of ML algorithms and Data Science Concepts.

EDUCATIONAL HISTORY

Liverpool John Moores University

Master's in Data Science, Graduating 2021

International Institute of Information Technology

Post Graduate Diploma in Data Science, Graduated Class of 2020

Mount Carmel College

Graduation in PCM, Graduated Class of 2014

PROFESSIONAL CERTIFICATION

Professional Data Science certification -Jigsaw Institue
Certified in Python, SAS, SQL -Jigsaw Institue

AWARDS | ACHIEVEMENTS

-Published a paper, A Novel research tested the hypothesis that the prices in Airbnb listings is influenced more by physical location than other features.
https://github.com/ShaoniMukherjee/Airbnb-Price-Prediction

-Research on understanding the correlation between personality and posture, Hypothesis tested the correlative relationship between personality, posture and pain.
https://github.com/ShaoniMukherjee/Correlation-between-Posture-Personality-Trait