Wajahat Khan

Bay Area, CA, US wajakhan@berkeley.edu 510.309.7334 in/wajakhan1 https://github.com/WajaCode/Projects

SUMMARY

Pressure-resistant data science strategist leaning into curating a more prosperous and sustainable world through technology. Employing a 'roll-up-my-sleeves' work ethic to challenge inefficiencies, apply data manipulations with logic, and collaborate with diverse teams to execute cutting-edge digital projects

EXPERIENCE

Regional Occupational Program | Chevron | Richmond, CA | January 2024 - Present

- Strategically identifying safety protocols, gaining perspective into petroleum, exploring hazards and operability, and learning reporting related to incident investigations.
- Communicated the importance of developing/implementing solutions to equipment issues, maintenance planning, personal protective equipment, and effective responses to unplanned equipment failures.
- Learned leadership techniques to operate safely with plan/production, mapping out chemical health hazards, applying swift emergency procedures, and reacting calmly in pressurized environments.
- Exploring valves, pumps, compressors, furnaces, heat exchangers, and steam systems operations.

Data Science Internship | The Spark Foundation | SG, Singapore | December 2022 - May 2023

- Curated a progressive environment to engage in a rigorous Graduate Rotational Internship Program to retain real-world data science applications experience.
- Established workflows to execute 9 multifaceted team projects with the Data Mining team and Machine Learning team to transform data into insights and create innovative problem-solving solutions.
- Applied agile frameworks to conduct thorough data analysis of the USA map using Python and SQL, retrieving data insights impacting salary in correlation to religion, state, and city, resulting in a 20% increase in data accuracy.
- This data generated analysis to support businesses with the appropriate information for investments and ROI.

Data Entry/Information Technology/Assistant | Lita Pettus-Dotson Law Firm | US, CA, Alameda | June 2018 - August 2018

- Amassed the end-to-end data management transformation from paper to electronic storage eliminating printers and legal disposal services to scale sustainability.
- Implemented portable USBs that drastically reduced cost and time by 50% and advocated for eco-friendly cost effective data management.
- Developed and managed data architectures streamlining data integrity and maintaining a 99% accuracy rate.

PROJECTS

UC Berkeley Bike Sharing | University of California, Berkeley | August 2023 - December 2023

- Initiated and spearheaded the bike-sharing project managing a team of 7 to predict demand, optimize model variables, exceed milestones, and escalated project efficiency by 20%.
- Managed the creation of a top-tier model from scratch successfully outperforming master student benchmarks.
- Achieved 99.9% accuracy by utilizing a random forest model to predict a given demand for bikes for the day.

Kaggle Competition-Titanic | University of California, Berkeley | August 2023 - December 2023

- Operated as the Project Manager to lead a team in the Kaggle competition against Master's students applying machine learning algorithms containing random forests and logistic regression to hit a Top 10% ranking out of 700 participants.
- Leveraged Google Collab for a seamless partnership during a two-week project, predicting survival outcomes based on the following factors: gender and age

EDUCATION

Bachelor of Science, Data Science Minor: Economics | University of California Berkeley | Minor in Economics | US, CA, Berkeley | 2023

SKILLS

Coding Languages: Python • Java • R • SQL • Excel • HTML • CSS
Data Science: Exploratory Data Analysis & Data cleaning • Pandas • Text Wrangling & Regex • Modeling Simple linear Regression • Ordinary Least Squares • Sklearn • Gradient Descent • Feature Engineering • Regularization Random Variables • Cross Validation • SQL • Logistic regression • PCA • KMeans clustering • Decision Trees • Linear algebra