Mushfiqur Rahman

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SUMMARY

Data Engineer with prior leadership in driving environmental results at a Fortune 500 energy company. Pivoting careers by growing an array of data skills including Python, SQL and AWS certification. Highly collaborative with organizational aptitude, results driven and seeking data roles.

SKILLS

Python - pandas, Matplotlib, Seaborn, NumPy, Scikit-learn, Plotly; SQL - MySQL, PostgreSQL; Docker; YAML; CI/CD; AWS - EC2, RDS, S3, ECR, ECS, Lambda; Git; Automation; Linux commands; Regex; Data Analysis; Microsoft - Excel, SharePoint, Visio, PowerBI; Tableau; APIs; TensorFlow; Jira; AI prompt engineering; Native English proficiency

CERTIFICATES & STUDIES - For a complete list, visit: https://github.com/lflrnr/Certificates

- Recently read: *Fundamentals of Data Engineering* by Joe Reis & Matt Housley   June 2023
- The Ultimate MySQL Bootcamp: Udemy   November 2022
- AWS Certified Cloud Practitioner Foundational: Amazon Web Services   September 2022
- Python for Machine Learning & Data Science Masterclass - 2021: Udemy   November 2021
- Applied Data Science with Python (5 courses): Coursera - University of Michigan   September 2021
- Python 3 Programming (5 courses): Coursera - University of Michigan   November 2020

PORTFOLIO - https://github.com/lflrnr/Portfolio

Project 3: Consumer Confidence and the U.S. Economy   October 2023
- Investigated consumer confidence of U.S. economy and the potential correlation to economic metrics
- Created Plotly dashboard utilizing AWS RDS, Lambda, S3, ECR, ECS, EC2; Github Actions; Docker containers
- Published website hosted on AWS EC2 at www.cloud-econ.com

Project 2: Rohingya and Hope   December 2021
- Assessed a survey by Xchange of perceptions of adult refugees - built machine learning models to determine strongest predictors of hope, evaluated machine learning classifiers and achieved 80% accuracy

Project 1: Global Warming for Two U.S. Counties over 120 years   July 2021
- Visualized average monthly temperatures for past 120 years to assess presence of global warming trend

PROFESSIONAL EXPERIENCE

Environmental Team Lead for SoCalGas (nation's largest natural gas utility): Anaheim, CA   June 2016 - June 2018
- Led a team of 5 specialists, headed annual environmental KPI reporting for 5 natural gas underground storage fields and 3 storage departments yielding >95% compliance including Aliso Canyon storage field valued at $769 million
- Guided Aliso Canyon SS-25 gas leak project that triggered evacuation of 8,000 nearby families
- Consulted for $200 million Aliso Canyon Turbine Replacement project start-up phase

Leadership: Completed SoCalGas's Leadership Training Camp then deployed its servant leadership philosophy

Senior Environmental Specialist for SoCalGas (Storage): Chatsworth, CA   December 2014 - June 2016
- Secured environmental compliance of gas utility operations for 5 natural gas storage fields
- Provided essential assistance for Aliso Canyon's SS-25 natural gas leak: supported 6 well kill attempts; managed environmental contractors; supervised team of 4 to escort government inspections

Environmental Compliance Specialist for SoCalGas (Distribution): Oxnard, CA   March 2011 - December 2014
- Ensured environmental compliance for operations within a ~15K square mile region - achieved 95%+ KPI

EDUCATION

Master of Environmental Science and Management - University of California, Santa Barbara
Bachelor of Science in Applied Ecology - University of California, Irvine