

# Mushfiqur Rahman, M.E.S.M.

mushfiqmesm@gmail.com | (949) 351-7577 | Irvine, CA | linkedin.com/in/mushy | github.com/lflnr

## SUMMARY

Freelance data analyst with proven leadership in driving results and a growing array of data analyst tools. Endeavoring to pivot towards a data career and expand impact. Highly collaborative, tech savvy, lives an active lifestyle and looks forward to new challenges.

## SKILLS

Python - pandas, Matplotlib, Seaborn, NumPy, Scikit-learn; SQL - MySQL; Microsoft - Excel, Word, Outlook, SharePoint, Visio; Google - Sheets, Docs, Slides; AWS; Tableau; API; TensorFlow; Atlassian Jira; Native English proficiency

## CERTIFICATES - <https://github.com/lflnr/Certificates>

|   |                |
|---|----------------|
| 1. The Ultimate MySQL Bootcamp: Udemy (currently underway)                                    | October 2022   |
| 2. AWS Certified Cloud Practitioner Foundational: Amazon Web Services                         | September 2022 |
| 3. Python for Machine Learning & Data Science Masterclass - 2021: Udemy                       | November 2021  |
| 4. Applied Data Science with Python (5 course certificate): Coursera - University of Michigan | September 2021 |
| 5. Statistics with Python 3 (3 course certificate): Coursera - University of Michigan         | January 2021   |
| 6. Python 3 Programming (5 course certificate): Coursera - University of Michigan             | November 2020  |
| 7. Python for Everybody (5 course certificate): Coursera - University of Michigan             | September 2020 |
| 8. Product Management - Scrum and Jira: Lynda   | June 2020      |
| 9. Analyzing and Visualizing Data with Power BI: EDX - Microsoft                              | June 2020      |
| 10. Agile with Atlassian Jira: Coursera - Atlassian   | May 2020       |
| 11. Python (3 courses): EDX - Microsoft   | May 2020       |
| 12. Logic and Computational Thinking: EDX - Microsoft   | March 2020     |

## PORTFOLIO - <https://github.com/lflnr/Portfolio>

### Project 3 - Sentiment Analysis of the Economy with Twitter's API October 2022

Initiated project, AWS setup constructed, preliminary code posted to Github Portfolio

Skills: Python; Twitter API; Tweepy; MySQL; AWS EC2 and RDS, Pandas; Natural Language Processing - NLTK

- Investigate sentiments and trending topics related to the economy using Twitter's API - create a dashboard website to be run on AWS cloud computing services including AWS EC2 and AWS RDS

### Project 2 - Rohingya and Hope December 2021

Skills: Python; Data science - Pandas, Numpy, Matplotlib, Seaborn; Data Munging/Data Cleaning; Feature Engineering; Machine Learning - Scikit-learn, Grid Search & Cross Validation, Model Performance Evaluation

- Assessed a survey by Xchange of perceptions of adult refugees - built machine learning models to determine strongest predictors of hope
- Evaluated Machine Learning classifiers: SVC, K-Nearest Neighbors, Naive Bayes (MultinomialNB), Decision Tree Classifier, Random Forest, AdaBoost, Gradient Boosting 80% accuracy achieved

### Project 1 - Global Warming for Two U.S. Counties over 120 years July 2021

Skills: Python, Pandas, Matplotlib and Seaborn

- Crafted visual comparing average monthly temperatures for past 120 years for Orange County, California and Washtenaw County, Michigan to assess presence of global warming trend

## PROFESSIONAL EXPERIENCE

### Freelance Data Analyst and Student: Irvine, California June 2018 - Present

- Took time off for immigration reasons - moved to Vancouver, Canada for ~ 3 years then returned to the U.S.
- Acquired certificates in AWS Certified Cloud Practitioner, Python, data science, machine learning (see certificates)
- Primed to resume career - seeking to implement data skills while learning more

**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; contributed critical data towards annual Corporate Social Responsibility Reports; averted fines and potential for litigation; informed management of trends
- Continued aiding Aliso Canyon SS-25 gas leak project that triggered evacuation of 8,000 nearby families
  1. Developed framework and flowchart for reporting gas releases to government agencies
  2. Implemented complex capture and disposal process of project hazardous and non-hazardous waste
  3. Supplied critical information and insights to several post incident investigations
- 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 - hazardous material/waste management, Spill Prevention Control and Countermeasures, storm water compliance
- Provided essential assistance for Aliso Canyon's SS-25 natural gas leak: was a crucial stakeholder including support for 6 well kill attempts; managed environmental contractors; supervised a team of 4 to escort daily air quality inspections; collaborated with senior leaders, legal, Subject Matter Experts, consultants
- Executed audits; interfaced with government inspectors; gave guidance for capital and maintenance projects; updated environmental plans; analyzed government regulations for applicability

**Environmental Compliance Specialist for SoCalGas (Distribution):** Oxnard, CA March 2011 - December 2014

- Ensured environmental compliance of gas utility operations within a ~15K square mile region - achieved 95%+ KPI thereby reduced business interruptions
- Audited operations; responded to government agencies; created HazMat Business Plans for 18 facilities with Visio
- Delivered in-person annual training to 10 specialty groups spanning Management, Operations, Engineering

## EDUCATION

**Master of Environmental Science and Management | University of California, Santa Barbara** June 2009

Notable Coursework: Statistics and Data Analysis; GIS; Earth System Science; Environmental Law; Environmental Economics; Web Mapping (KML); Grant Writing; Green Supply Chain Management; Life Cycle Analysis (GaBi)

**Bachelor of Science in Applied Ecology | University of California, Irvine** June 2005

## PERSONAL INTERESTS

Running, mountain biking, gardening, American Youth Soccer Organization volunteer coach (7U)