

Mushfiqur Rahman (Mushfiq)

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SKILLS

Computer: Data Science with Python: pandas, NumPy, matplotlib, Seaborn, Machine Learning with scikit-learn, Natural Language Processing with NLTK, NetworkX; SQL; Jira; SAP; Visio; SharePoint; MS Office; Google Workspace; ArcGIS; R

Project Management: UCSB's Project Initiation, Planning, and Integration course (1 of 6 toward PMP certification)

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

CERTIFICATES - <https://github.com/lflrnr/Certificates>

Udemy: 2021 Python for Machine Learning & Data Science Masterclass (44 hours)

Coursera: Applied Data Science with Python (5 courses); Statistics with Python (3 courses); Python 3 Programming (5 courses); Python for Everybody (5 courses); Agile - Atlassian Jira

edX: Python (3 courses); Logic and Computational Thinking; Microsoft Power BI

Lynda: Product Management (Scrum and Jira); Data Science (Python, SQL, Excel, Statistics, Tableau)

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)

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

Project 1 - Rohingya Humanitarian Operations in Cox's Bazar, Bangladesh

Skills: Python, Pandas, Numpy, Matplotlib, Seaborn, Networkx and Pyvis

- Data from the Inter Sector Coordination Group on monthly operational activities for refugee camps were converted from .xlsx to a pandas dataframe, cleaned and descriptive statistics and visuals were generated

Project 2 - Rohingya and Hope

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

- A survey by Xchange of perceptions of adult refugees was assessed by building machine learning models to determine strongest predictors of hope
- Machine Learning classifiers evaluated: SVC, K-Nearest Neighbors, Naive Bayes (MultinomialNB), Decision Tree Classifier, Random Forest, AdaBoost, and Gradient Boosting with 80% accuracy achieved

Project 3 - Rohingya and Twitter Data (This project is currently underway and will be posted upon completion)

Skills: Python; Twitter API; Tweepy; Pandas; Vader; NLTK; Matplotlib; Seaborn; Data Munging; Feature Engineering.

- The initial goal is to analyze sentiments and trending topics of Rohingya refugees using Twitter's API

PROFESSIONAL EXPERIENCE

Environmental Field Services Team Lead - [Storage](#) (June 2016 – June 2018)

Southern California Gas Company – Environmental Services: Anaheim, CA, USA

- Led 5 Environmental Specialists assigned to natural gas storage fields - responsible for regulatory reporting, storm water compliance, hazardous materials, inspections, audits, infrastructure projects review
- Continued aiding the [Aliso Canyon SS-25 gas leak](#) project as it evolved to root cause analysis - trained Operations on new requirements; conducted mobile methane surveys, assisted in-house/outside counsel regarding on-going litigations
- Responded onsite and remotely to emergency leaks, releases, fires (always on-call); spearheaded emergency report preparation; directly submitted reports to [California Office of Emergency Services](#), [SCAQMD](#), [DOGGR](#)
- Shepherded annual environmental KPI reporting for 3 storage departments and 5 storage fields with 95% compliance

PROFESSIONAL EXPERIENCE - continued

Senior Environmental Specialist (December 2014 – June 2016)

Southern California Gas Company – Storage Technical Services: Chatsworth, CA, USA

- Secured environmental compliance of gas utility operations for 5 natural gas storage fields
- Provided essential support for Aliso Canyon's SS-25 natural gas leak: supported 6 well kill attempts; guided environmental contractors; tested storm water; obtained construction environmental clearance; coordinated haz waste/non-haz waste disposal; directed field lab sampling; escorted agency inspectors; headed a team of 4 to escort daily SCAQMD air quality inspections; collaborated with C-suite, legal, SMEs, consultants
- Executed operations audits; interfaced with government agencies and auditors; provided infrastructure project support; updated hazardous materials, stormwater, spill prevention plans
- Analyzed government regulations as well as company policies for operations applicability and presented feedback

Environmental Compliance Specialist (March 2011 – December 2014)

Southern California Gas Company – Distribution Operations: Oxnard, CA, USA

- Ensured environmental compliance of gas utility operations within a ~15K square mile region
- Audited operations; responded to government agencies; created Haz Mat Business Plans for 18 facilities
- Delivered in-person annual training to 10 specialty groups spanning Management, Operations and Engineering