Shahbakht Hamdani

Data Scientist

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LinkedIn Profile

Summary

Data Scientist with just under two years of experience, working cross functionally with business, IT and data teams, across a variety of geographies and industries, both public and private sector, facing a diverse set of problems involving legacy data systems as well as modern cloud computing stack. Utilized a wide skill set to solve data science problems such as big data analytics, predictive modeling, set-point optimization, customer segmentation and bespoke dashboard visualizations using Tableau and PowerBI. Perused a spectrum of tools and technologies like Python, R, SQL, PySpark, SAP HANA, Microsoft Azure and Databricks. Around 6 years of non-data science experience with a multinational oil and gas company.

Experience

McKinsey & Company, Pakistan
Data Scientist
September 2019 – Present

- Deployed predictive model at a regional industry leader in alumina to assess quality of final product and prepared datasets to feed into PowerBI dashboards bringing end-to-end transparency to the process, resulting in early detection of low-quality product.
- Worked on a proof-of-concept set-point optimization model for a regional market leader's oil refinery cracking unit by building regression models for each of the different products, and used these in conjunction with pricing data to optimize profit, with predicted annual revenue uplift of 1-3 million USD.
- Built a lead generation predictive classification model, with a recall of 85%, for a large-scale automobile dealership holding company and identified lead conversion opportunities.
- Developed Tableau dashboards for a government-led public sector social welfare program, which was utilized at the Prime Ministerial level.
- Developed PowerBI dashboards for a government owned financial institute, which were utilized by the C-suite, including CFO.

Weatherford International, Saudi Arabia & Pakistan
QA/QC Service Delivery Coordinator, Liner Hanger, Well Construction Products
December 2013 - March 2019

Skills

- **Languages:** Python, R, SQL.
- **Tools & Technologies:** Microsoft Azure**,** Amazon Web Services (AWS) EC2, Google Cloud (GCP), Power BI, Tableau, Hadoop MapReduce, PySpark, Tensorflow, Keras, Databricks, BigQuery.
- **Coursework:** Machine Learning, Deep Learning and Neural Nets, NLP (Natural Language Processing), Statistics (Experimental Design & Statistical Inference), Big Data Analytics, Artificial Intelligence (AI), Data Engineering.

Education

University of California, Berkeley, CA, United States
Master of Information and Data Science (MIDS), *August 2017 - August 2019*
CGPA: 3.888/4.0

Ghulam Ishaq Khan Institute (GIKI) of Engineering Sciences and Technology, Pakistan
Bachelor of Science in Mechanical Engineering, *August 2009 - June 2013*
CGPA: 3.50/4.00