
Shahbakht Hamdani

Data Scientist

Vancouver, BC, Canada

[GitHub Portfolio](#)

[LinkedIn Profile](#)

Email: shahbakht.hamdani@gmail.com

Contact#: +1 (778) 725-0083

Summary

Data Scientist with two years of experience in a client facing role, working across a variety of geographies and industries, building data driven solutions to translate insights into actions. Proficient in Python, R and SQL, and solutions such as predictive modeling, set-point optimization, customer segmentation, product analytics, at-scale machine learning systems, model deployment, cloud and parallel computing and bespoke dashboard visualizations using Tableau and PowerBI.

Experience

Data Scientist

McKinsey & Company, Pakistan

September 2019 – Present

- Deployed a Random Forest regression model at a regional industry leader in alumina for early detection of low-quality product and built PowerBI dashboards to bring transparency to the root causes, reducing time to detect product quality loss by eight hours.
- Built a Random Forest lead generation predictive classification model, with a recall of 85%, for a large-scale automobile dealership holding company and identified lead conversion prioritization opportunities for salesforce team.
- Built a proof-of-concept set-point optimization model for a regional market leader's oil refinery cracking unit using XGBoost regression, and combined it with pricing data to maximize profit using optimization metaheuristics, with expected annual revenue uplift of 1-3 million USD.
- Built a proof-of-concept climate risk stress test model for a major North American bank.
- Developed Tableau dashboards for a government-led public sector social welfare program, which was utilized at the Prime Ministerial level, and is served to 20+ members of ministry.
- Developed initiatives tracking PowerBI dashboards for a government owned financial institute, which were utilized by the C-suite, including CFO and COO, along with 10+ VPs.

QA/QC Service Delivery Coordinator, Liner Hanger, Well Construction Products

Weatherford International, Saudi Arabia & Pakistan

December 2013 – March 2019

Skills

- **Coding Languages:** Python, R, SQL.
 - **Certifications:** Azure Certified Data Science Associate, Tableau Desktop Certified Associate
 - **Tools & Technologies:** Microsoft Azure, Amazon AWS, Google Cloud (GCP), Git, PowerBI, Tableau, PySpark, Databricks, Keras, Tensorflow, Hadoop/MapReduce.
 - **Coursework:** Applied Machine Learning, ETL & Data Engineering, Deep Learning, Experiment Design, Causal Inference, Statistical Modeling, Quantitative Analysis, A/B Testing, NLP (Natural Language Processing), Predictive Modeling, Neural Networks.
-

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