ABBAS SHAKIBA

Senior Machine Learning Engineer

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EXPERIENCE

Capital One, *San Francisco, CA*

Sr. Machine Learning Engineer, July 2022 - Present

Caldera: Core member of the Transaction Intelligence team to productionize new machine learning products in credit cards. Technology stack Python, Pyspark, Kubernetes, and AWS Services.

Sr. Data Engineer, August 2021 - July 2022

Data Lineage: Core member on a data engineering team implementing the enterprise lineage solutions. Technology stack Scala, ZIO, AWS Services (Lambda, Cloudwatch, SNS, EC2, S3)

One Pipeline: Core member of the Neptune Cluster OPL gear. Implemented an IaC gear to manage Neptune Cluster deployment on AWS for the enterprise. Technology Stack Python, Terraform, AWS Services (Neptune, EC2, S3)

Verisk Analytics, *Chicago, IL*

Sr. Data Scientist, June 2018 - July 2021 (3 years)

Image Classification: Part of a team implementing multi-class image classification and object detection using advanced deep learning and NLP algorithms. I am using Python, PyTorch, Yolo, and several other packages to build object detection models.

Text Analysis: Designed and implemented an automated NLP application to read and analyze ISO sales calls summaries and create several BI dashboards for executives and sales managers. Python, AWS Services(EC2, S3, Redshift, Lambda), and Tableau are used.

iapack.py: Led an initiative to implement an internal python package for the Insurance Analytics teams at Verisk. The package optimizes the use of big data platforms like H2O and pySpark.

Nationwide, *Columbus, OH*

Sr. Application Developer, May 2016 - May 2018 (2 years)

Worked on several in-house web applications and financial applications using Python, Node.js, and classic machine learning algorithms.

PUBLICATIONS
Conference Proceedings

Shakiba, Abbas, Robert Green, and Robert Dyer (2016). "FourD: do developers discuss design? Revisited". In: Proceedings of the 2nd International Workshop on Software Analytics.ACM,pp.43–46.

STRENGTHS

Predictive Modeling, Data Analysis, Explanatory Analysis, Visualization, Problem Solving, Restorative, Team Player, Motivator & Activator

SKILLS

Data Engineering, Machine Learning, Deep Learning, MLOps, DevOps, AWS

Scala, Python, Jenkins, CI/CD, pandas, numpy, sklearn, matplotlib, pyspark, pytorch, tensorflow, lambda, EMR, apigateway, sagemaker, git, Linux

CERTIFICATES

AWS Solution Architect - Associate Machine Learning Engineer, Udacity Deep Learning, Udacity

EDUCATION

University of Chicago, Chicago, IL
Graduate Studies (2019-2020)

Bowling Green State University, Bowling Green, OH
M.S. In Computer Science (2014-2016)

Shiraz University, Shiraz, Iran
B.S. In Computer Engineering (2008-2013)