Nasir Mahmood, PhD

Toronto, Ontario, Canada

✉ dataeur@gmail.com   📞 +1 - 647 - 858 - 1147

in linkedin.com/in/nasirmaan   🔗 https://nasirmaan.com

Summary

- 15 years of combined experience in data science and machine learning
- 5 years of independent machine learning consulting experience
- 3x AWS Certified Machine Learning Engineer + Solution Architect
- Helped clients with improved business results by leveraging ML/NLP/AWS

Toolbox:

√ NLP, Text Classification, NER, Customer Analytics, Information Retrieval

√ Python: Pandas, Numpy, NLTK, Scikit-learn, Matplotlib

√ R programming, SQL, SAS, Excel, Bash, Git

√ AWS SageMaker, S3, Lambda, API Gateway

√ Cloud Computing, 3x AWS Certified, Microsoft Azure

Experience

NLP Engineer

QNC GmbH

Apr 2022 - Aug 2022 (5 months)

- Trained Flair NLP model for text classification of legal documents on AWS GPU instance
- Delivered OCR/NLP solution for detection of alphanumeric text in German legal documents
- Setup development environment on AWS cloud

AWS Machine Learning Engineer

BenefitFlow

Jan 2022 - Jul 2022 (7 months)

- Solved entity matching problem by developing LSH based algorithm
- Packaged and deployed the solution in AWS
- Leverage AWS services: CloudFormation, CI/CD tools, EMR, Lambda, Batch, etc.

Consultant | Data Scientist

Datalya

Apr 2017 - Present (5 years 6 months +)

Helping start-ups and enterprise businesses with accelerated business improvement by leveraging data science, statistical analysis, and machine learning. I bring skillsets the same as any tier-one consulting firm.

Professor | Machine Learning

Sheridan College

Jan 2018 - Dec 2020 (3 years)

- Taught predictive analytics and machine learning to industry professional

- Mentored students through practical advice and hands-on ML projects
- Have helped many professionals with successful data science transition

Sr. Data Scientist | Client Acquisition & Loyalty
Sun Life

Oct 2019 - May 2021 (1 year 8 months)
- Led use case ideation, exploratory data analysis, and several data-centric POC
- Applied machine learning to high-value client acquisition and marketing business processes
- Responsible for AWS migration of data and analytics flows
- Smart lead assignment to financial advisors without human intervention
- Employing SAS, Python, NLP/NLTK, AWS SageMaker, S3, Lambda, API Gateway, Glue

Data Scientist | Data & Analytics (DNA)
RBC

Feb 2018 - Sep 2019 (1 year 8 months)
- Worked with highly collaborative and cross-functional ML and AI teams
- Delivered customer attrition, market share, and NLP based information extraction models
- Modified service support system to reduce customer attrition by many folds
- Leverage Python, R, Dataiku, NLP/NLTK

Machine Learning Consultant
Bell

Apr 2017 - Nov 2017 (8 months)
- Helped with the development of foundational machine learning capabilities
- Delivered customer segmentation, network health prediction, customer call, & truck roll models
- Real-time anomaly detection exponentially increased efficiency of the network support team
- Languages & Packages: Python, R, pySpark, Hive, Impala, SQL

Data Scientist
American Express

Jul 2012 - Apr 2017 (4 years 10 months)
- Drove different teams and projects ranging from application infrastructure development to predictive models to algorithm optimization.
- Built text analytics and cognitive search, market segmentation models, and recommender system

Programming Languages: R, Python, pySpark, Mlib, SQL
Software & Tools: Hadoop/MapR, HBase, Eclipse

Education

University of Hamburg
Ph.D., Machine Learning

University of Cologne
MS, Applied Bioinformatics

Otto-von-Guericke University Magdeburg
M.Sc., Computational Visualistics

University Of Central Punjab
MS, Computer Science

Licenses & Certifications

Neural Networks and Deep Learning - Coursera
XFAJYN7SC5NB

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - Coursera
QCQP2JPVUZTZ

Structuring Machine Learning Projects - Coursera
CK5UWV26K94A

Introduction to Big Data Analytics (2015) - Coursera
J8CG34WCUXKF

Hadoop Platform and Application Framework - Coursera
QTLVGSCLALSL

Statistics for Genomic Data Science - Coursera
MVSJBAMYRH

Algorithms for DNA Sequencing - Coursera
UY3XC72EUW

Python for Genomic Data Science - Coursera
9LVJ94T9F5

Convolutional Neural Networks - Coursera
NENYCE57DB3H

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning - DeepLearning.AI
E2DBRCYXFESQ

AWS Certified Cloud Practitioner - Amazon Web Services (AWS)

AWS Certified Machine Learning – Specialty - Amazon Web Services (AWS)

AWS Certified Solutions Architect – Associate - Amazon Web Services (AWS)

Skills

Machine Learning • Python • Bioinformatics • Artificial Intelligence • Data Science • Statistics •
Computer Science • Big Data • Algorithms • Statistical Modeling