TAHREEM RASHID

Data Scientist

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SUMMARY

Recent Data Science graduate with strong analytical skills and a passion for extracting meaningful insights from complex datasets. Proficient in machine learning, statistical analysis, and data visualization. Seeking to leverage my technical skills and academic background to contribute to data-driven decision making in a challenging role.

EDUCATION

MSc in Artificial Intelligence

Stanford University

2021 - 2023

- Specialized in Deep Learning and Computer Vision
- Thesis: "Transformer-based Models for Medical Image Analysis" received departmental honors
- Research published in top AI conferences including NeurIPS and CVPR
- Relevant Coursework: Advanced Deep Learning, Computer Vision, Natural Language Processing, Reinforcement Learning

BSc in Computer Science

Massachusetts Institute of Technology

2017 - 2021

- Graduated with high distinction (GPA: 3.92/4.0)
- Specialized in Machine Learning and Data Science
- Received the Outstanding Undergraduate Research Award for work on reinforcement learning algorithms
- Relevant Coursework: Machine Learning, Statistical Learning, Algorithms, Data Structures, Artificial Intelligence

Advanced Certifications

Google Cloud & NVIDIA Deep Learning Institute

2020 - 2022

- Google Cloud Professional Data Engineer Certification
- NVIDIA Deep Learning Institute Certification in Computer Vision and Natural Language Processing
- Mastered cloud-based ML infrastructure and GPU-accelerated deep learning frameworks

WORK EXPERIENCE

Lead Data Scientist

Quantum Analytics

2023 - Present

- Leading a team of 8 data scientists in developing cutting-edge AI solutions for Fortune 500

clients
- Implemented a real-time recommendation engine that increased client revenue by 32%
- Pioneered the adoption of MLOps practices across the organization, reducing model deployment time by 60%
- Designed and implemented a fraud detection system that saved clients over $5M annually

Senior Machine Learning Engineer

TechInnovate Global

2021 - 2023

- Architected and deployed deep learning models for computer vision applications in retail
- Created an end-to-end ML pipeline that reduced model training time by 45%
- Mentored junior engineers and led knowledge-sharing sessions on advanced ML techniques
- Collaborated with product teams to integrate ML features into core products

Data Scientist

Nexus AI Solutions

2019 - 2021

- Developed NLP models for sentiment analysis and entity recognition with 94% accuracy
- Built a fraud detection system that saved clients over $2M annually
- Collaborated with product teams to integrate ML features into core products
- Created interactive dashboards to visualize insights for non-technical stakeholders

TECHNICAL SKILLS

Programming Languages

Python   R   SQL   Java   JavaScript

Data Science & Machine Learning

Pandas   NumPy   Scikit-learn   TensorFlow   Keras   PyTorch   NLTK   Regression   Classification
Clustering   Deep Learning   NLP

Data Visualization

Matplotlib   Seaborn   Plotly   Tableau   Power BI

Database & Big Data

MySQL   PostgreSQL   MongoDB   Hadoop   Spark

Tools & Platforms

Jupyter Notebook   Git   Docker   AWS   Azure   Google Cloud

PROJECTS

Healthcare Predictive Analytics

2023

- Developed a machine learning model to predict patient readmission rates with 92% accuracy
- Implemented feature engineering techniques to improve model performance
- Created interactive dashboards to visualize insights for healthcare professionals
- Technologies: Python, Scikit-learn, Pandas, Matplotlib, Flask

Sentiment Analysis for Product Reviews

2022

- Built an NLP model to analyze customer sentiment from product reviews
- Achieved 88% accuracy in classifying positive, negative, and neutral sentiments
- Extracted key insights to help improve product features based on customer feedback
- Technologies: Python, NLTK, BERT, TensorFlow, Plotly

Stock Market Prediction System

2022

- Implemented LSTM neural networks to predict stock prices based on historical data
- Integrated technical indicators to improve prediction accuracy
- Created a web application for users to visualize predictions and historical trends
- Technologies: Python, Keras, Pandas, Plotly, Streamlit

E-commerce Recommendation Engine

2021

- Designed a hybrid recommendation system combining collaborative filtering and content-based approaches
- Implemented matrix factorization techniques to handle sparse user-item interaction data
- Evaluated system performance using precision, recall, and F1-score metrics
- Technologies: Python, Surprise, PySpark, MongoDB

CERTIFICATIONS

IBM Data Science Professional Certificate

Coursera

2022

Machine Learning Specialization

Stanford University (Coursera)

2022

Deep Learning Specialization

DeepLearning.AI (Coursera)

2021

SQL for Data Science

University of California, Davis (Coursera)

2021

LANGUAGES

English (Fluent)   Urdu (Native)   Punjabi (Native)