NABIL SALEHIYAN

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MACHINE LEARNING ENGINEER

DATA SCIENTIST

EDUCATION: THE UNIVERSITY OF TEXAS AT DALLAS, RICHARDSON, TX | B.S. (2022) M.S. (2023)

Master of Science in Data Science/Artificial Intelligence GPA: 3.8

Relevant Coursework:

Neural Net Mathematics | Statistical Machine Learning |Advanced Multivariate Analytical Methods |Computer Science | Computational Modeling for Artificial Intelligence | Statistical Decision Making | Research Design & Analysis | Linear Algebra | Probability Calculus | Knowledge Mining

Recent Projects:

Linear Regression & Neural Network Model for fMRI Autism Discrimination

- Created a machine learning algorithm to assist clinicians and researchers in determining ASD diagnosis using data from fMRI scans.
- Achieved an average accuracy of 88.0% with the best neural network and 88.1% with the best logistic regression model.

Supervised Learning Machine for Prediction of Defaulted Loan Status

• Developed a gradient descent algorithm from scratch to predict the status of loan recipients based on payment data from previous loan holders.

Multiple Correspondence Analysis/Discriminant Analysis/Partial Least Squares Correlation of Mental Health Literacy Test Scores of College Students

• Used R to predict what characteristics of a student predicts their score on a mental health literacy test.

WORK EXPERIENCE:

The University of Texas at Dallas | Richardson, TX |Data Analyst | 05/2022 - CURRENT

- Collect and analyze complex datasets on depression and memory using R, Python, and Tableau
- Use statistical modeling and machine learning techniques to obtain answers behind the data.
- Clean and manage large datasets using R and Python and conduct descriptive and inferential statistics using regression-based analyses.

Texas Biomedical Device Center, Richardson, TX | Research Assistant | 08/2020-12/2022

- Conducted auditory neuroscience research on hearing defects associated with Autism.
- Designed and troubleshooted experiments using MATLAB.

Skills:

- R, Python, Tableau, Alteryx, C++, Julia, Java, JASP, Microsoft Office Suite
- Strong organization, problem-solving, communication, critical thinking, and time management skills.
- Able to quickly learn new concepts and train team members.

Awards:

• Recipient of the "Applied Cognition and Neuroscience Academic Excellence Scholarship in the Area of Neuroscience"