Shayan Darabi

I am a senior Bachelor of Science student in Industrial Engineering who is passionate about Data Science and Machine Learning. I have completed many courses in Python programming, machine learning algorithms, and statistical analysis, and I possess a strong foundation in mathematics and linear algebra.

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EDUCATION

Khaje Nasir Toosi University of Technology

2019 - present

Bachelor of Science - BS, Industrial Engineering

Khayam High School

Diploma of Education, Mathematics and Physics

2016-2019

Experiences

Data Analyst at Parsian Quality and Productivity Research Center Internship

◆ Working as a data analyst and machine learning researcher in the field of Remaining Useful Life (RUL) prediction for rollers in the hot and cold rolling process under the supervision of Dr. Abbas Saghaei.

◆ Cleaning and aggregating complex datasets using Python packages like Pandas and Numpy to ensure data quality and integrity.

◆ Utilizing Matplotlib and Seaborn to create insightful data visualizations like depicting P control charts.

◆ Developing informative dashboards using Pandas Profiling to provide actionable insights.

◆ Learning and exploring the implementation of metaheuristics optimization techniques in Python to solve complex optimization problems like VRP.

Teaching Assistant

Programming Fundamentals (C++)

Certificates and Taken Courses

Advanced Python Programming and Object-Oriented Thinking Course

Supervised Machine Learning: Regression and Classification

Understanding and Visualizing Data with Python

Excel Skills for Business Specialization

Advanced Learning Algorithms

SKILLS

Proficiency in Python

Strong understanding of statistical analysis, linear algebra, and mathematics

Familiarity with machine learning algorithms and data analysis tools

Teamwork

Self-Learning

Problem-Solving

LANGUAGES

English - Limited Working Proficiency

French - Elementary Proficiency

Machine Learning

Neural Networks and Deep Learning

Data Analysis with Python

Microsoft SQL Server Development for Everyone