Shayan Darabi

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My Digital Resume

EDUCATION

Khaje Nasir Toosi University of Technology
Bachelor of Science - BS, Industrial Engineering
2019 - present

Khayam High School
Diploma of Education, Mathematics and Physics
2016 - 2019

EXPERIENCE

Data Analyst at Parsian Quality and Productivity Research Center

Internship (Jun 2023 - Aug 2023 . 3 mos)

- Exploring the realm of data analysis and working as a 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
(Oct 2022 - Jan 2023 · 4 mos)
Programming Fundamentals (C++)

CERTIFICATES

Machine Learning Specialization (Andrew Ng)

Neural Networks and Deep Learning

Supervised Machine Learning: Regression and Classification

Advanced Learning Algorithms

Advanced Python Programming and Object-Oriented Thinking Course

Understanding and Visualizing Data with Python

Excel Skills for Business Specialization

SKILLS

Statistical modeling

Python (Pandas, Numpy)

Machine learning (Scikit-learn, Tensorflow)

SQL

Data analysis

Data visualization (Matplotlib, Seaborn)

MS Excel

Teamwork

Self-learning

Problem-solving

Active learning

LANGUAGES

English - Professional working proficiency

French - Elementary Proficiency