

# Ahmad Salehiyan

📍 Oklahoma State, US

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## Education

### Oklahoma State University

Stillwater, Oklahoma, USA

Doctor of Philosophy (PhD) in Industrial Engineering

Expected 2028

- Research Focus: Predictive Maintenance, Stochastic Optimization
- Advisor: Dr. Akash Deep

### K. N. Toosi University of Technology

Tehran, Iran

Master of Science in Industrial Engineering

2019-2022

- Thesis: "Predictive Maintenance of Advanced Industrial Machines by using AI Techniques"
- Advisor: Dr. Abdollah Aghaie

### Islamic Azad University

Qazvin, Iran

Bachelor of Science in Industrial Engineering

2014-2019

- Thesis: "Feasibility Study Industrial Company Manufacturing of Carbonless Paper"

## Publications

### CONFERENCE PROCEEDINGS

- Aghaei, A., Salehiyan, A. (2021). *Prioritizing Equipment Maintenance Programs by Clustering Algorithms*. Presented at the 14th International Conference of Iranian Operations Research Society.

## Research Interests

Maintenance

Stochastic Optimization

Statistics

Reinforcement Learning

Optimization

Data Science

## Work Experience

### Karin Crane Company

Apr. 2019 - Oct. 2019

Industrial Engineer

- Project Management: Led and coordinated projects related to [provide brief overview of projects].
- Created Quality Control Inspection Forms: Developed and implemented quality control measures, including the creation of inspection forms to ensure product quality and compliance.
- Operation Process Charts: Designed and documented operation process charts to optimize workflow and increase efficiency within the company.

## Academic Projects

### Utilizing Data Mining Techniques and Similar Tools for Early Detection of Machine Faults

Mar. 2022 - Oct. 2022

Farandish Company

- Advised by Abdollah Aghaie.

### Optimization of Paint Coating Process on Galvanized Sheet Using Design and Analysis of Experiments

Feb. 2020 - Jun. 2020

Aabsal Company

- Project title: "Optimization of Paint Coating Process on Galvanized Sheet Using Design and Analysis of Experiments."

### Feasibility Study Industrial Company Manufacturing of Carbonless Paper

Feb. 2019 - Jun. 2019

Carbonless Form Company

- Project title: "Feasibility Study Industrial Company Manufacturing of Carbonless Paper."

# Skills

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**Programming languages**    SPSS, Python, R, GAMS, PostgreSQL, SAS, Power BI, COMFAR, Tableau  
**Certifications**    ISO9001:2015, ISO22000

# Achievements

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2021	<b>Ranked 9th</b> , Among Systems Optimization M.Sc. students	<i>Tehran</i>
2017	<b>Ranked 4th</b> , Among Industrial Engineering B.Sc. students	<i>Gazvin</i>

# Languages

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**Persian**    Native or bilingual proficiency  
**English**    Full professional proficiency