Ahmad Salehiyan

[[App With An Envelope Icon #412313 - Free Icons Library](mailto:A_Salehiyan@email.kntu.ac.ir)World Wide Web Icon Png #270003 - Free Icons Library[logo linkedin [ Download - Logo - icon ] png svg icon download](http://www.linkedin.com/in/ahmad-salehiyan)Tehran, Iran](https://goo.gl/maps/cerC4x2jVoHnMhrp8) • A\_Salehiyan@email.kntu.ac.ir • [www.ASalehiyan.com](http://www.ASalehiyan.com) • [Ahmad-Salehiyan](http://www.linkedin.com/in/ahmad-salehiyan)

# **Education**

## • Master of Science in Industrial Engineering-Systems Optimization 2019-2022

🞅 [K. N. Toosi University of Technology, Tehran, Iran](https://en.kntu.ac.ir/).

🞅 Thesis: "Predictive Maintenance of Advanced Industrial Machines by using AI Techniques."

🞅 Overall GPA: 3.42/4.00 (16.53/20) **|** Major courses GPA: 3.50/4.00

### 🞅 Selected Courses:

Design of experiments (A+) Integer Variables (A+)

## • Bachelor of Science in Industrial Engineering 2014-2019

🞅 Islamic Azad University, Qazvin, Iran.

🞅 Thesis: "Feasibility Study Industrial Company Manufacturing of Carbonless Paper."

🞅 Overall GPA: 3.52/4.00 (17.06/20) **|** Major courses GPA: 3.65/4.00

### 🞅 Selected Courses:

Computer Programming (A+) Operations Research I (A)

Engineering statistics (A) Operations Research II (A+)

Maintenance Planning (A+) Principles of Simulation (A+)

# **Research Interests**

• Maintenance • Optimization

• Statistics • Data Science

# **Publication**

* **Salehiyan**, **A.**, Aghaei, A., Amouei, A. (2022). Discover Hidden Relationships and Patterns in Failure of Computer Numerical Control Equipment by Using Apriori Algorithm. *The 3rd International Conference on Challenges and New Solutions in Industrial Engineering, Management and Accounting*.
* Aghaei, A., **Salehiyan**, **A.** (2021)**.** Prioritizing Equipment Maintenance Programs by Clustering Algorithms *The 14th International Conference of Iranian Operations Research Society*.[🢅](https://en.civilica.com/doc/1354263/)

# **Honors and Awards**

# Ranked **9th** among Systems Optimization M.Sc. students **2021**

# Ranked **4th** among Industrial Engineering B.Sc. students **2017**

# **Academic Experience**

**K. N. Toosi University of Technology**  **Oct. 2021 – Apr. 2022**

🞅 Teacher and Research Assistant (Dr. Abdollah Aghaie)

# **Academic Projects**

## **Farandish Company** Mar. 2022–Oct. 2022

🞅 Advisor: Abdollah Aghaie

🞅 Project Title: "Utilizing Data Mining Techniques and Similar Tools for Early Detection of Machine Faults."

## **Aabsal** CompanyFeb. 2020 –Jun. 2020

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

## Carbonless Form **Company** Feb. 2019–Jun. 2019

🞅 Project Title: "Feasibility Study Industrial Company Manufacturing of Carbonless Paper. "

# **Teaching Experience**

**Teaching Microsoft Excel** **Sep. 2019-Oct. 2022**

🞅 A private tutor

# **Work Experience**

## Karin Crane Company Apr. 2019–Oct. 2019

Job Title: Industrial Engineer

🞅 Project Management, Creating Quality Control Inspection Forms and Operation Process Charts

# **Certificates and Skills**

|  |  |  |
| --- | --- | --- |
| **Certifications:** | **Programming languages:** | **Computer-aided design/engineering:** |
| Statistical Package for the Social Sciences (SPSS) | Python  R | GAMS  PostgreSQL |
| Minitab | JavaScript | Power BI |
| COMFAR | jQuery | Tableau |
| Excel (Advance) | HTML |  |
| Microsoft Project | CSS |  |
| Weka |  |  |
| ISO9001:2015 |  |  |
| ISO22000 |  |  |

# **Language Skills**

# IELTS Overall: 6.5 (listening: 7 | reading: 6.5 | writing: 6 |speaking: 6) **Oct. 2022**

# Persian—Native or bilingual proficiency

# **References**

|  |  |
| --- | --- |
| **[Dr. Abdollah Aghaie](https://scholar.google.com/citations?hl=en&user=KeA--nsAAAAJ)**  Full Professor, Industrial Engineering Department, K. N. Toosi University of Technology, Iran.  Email: [aaghaie@kntu.ac.ir](mailto:aaghaie@kntu.ac.ir) | [**Dr. Emad Roghanian**](https://scholar.google.com/citations?user=e4mG26gAAAAJ&hl=en)  Associate Professor, Industrial Engineering Department, K. N. Toosi University of Technology, Iran.  Email: [e\_roghanian@kntu.ac.ir](mailto:e_roghanian@kntu.ac.ir) |
|  |  |