

# IMAN MIRJAFARI

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## EDUCATION

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**Bachelor of Statistics**, Isfahan University of Technology

Isfahan, Iran — 2018 - 2023

## HONORS

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- Ranked third in the field of Statistics at Isfahan University of Technology.
- Selected member of the first stage of the Statistics Olympiad, a prestigious competition among the top students of universities in Iran. **July 2022**
- Chosen as a member of the last stage of the Statistics Olympiad, a competition that included the first stage winners of the Olympiad and the top candidates of the master's degree entrance exam. Achieved a remarkable 20th rank. **October 2022**
- One of the top candidates in master's degree entrance exam. **May 2023**

## EXPERIENCE

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**Machine Learning Engineer**

Jan 2022 - Apr 2022

Farda Fan Pars

*Tehran, Iran*

- Implemented the RANSAC algorithm to detect surfaces, such as walls and floors, in point-cloud data.
- Utilized pre-designed neural networks to identify specific details, such as wall clocks and photo frames, on surfaces.
- Detected edge points of surfaces, including perimeter, by applying the alpha-shape algorithm.

**Data Analyst**

Jun 2019 - Sep 2019

Karafs

*Tehran, Iran*

- Conducted statistical analysis and investigation of data statistics, including histograms and pie charts, of Karafs app users' information, such as height, weight, gender, and medical history.
- Conducted statistical analysis of the association between food logs and shopping to optimize marketing strategies. Correlation analysis revealed a positive relationship between the two, indicating that more food logs result in increased shopping.

## PROJECTS

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**Analysis of The Labour Force Survey Data.** Conducted thorough data analysis and visualized information from the Labor Force Survey. Employed supervised classification algorithms, such as K-Nearest Neighbors, Decision Tree, and Naive Bayes, to predict the activity status of people (Employed, Unemployed, Inactive). Validation methods were utilized to determine that the decision tree algorithm yielded the best results for this particular dataset. **Jan 2023**

**Analysis and Prediction of Tron Price.** Utilized Time Series methods, including Normal Q-Q plot, to determine the status of data independence and Acf/Pacf plot to determine the ARIMA model parameters. Successfully modeled Tron price. **Jun 2021**

## TECHNICAL SKILLS

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- Skilled in Data Analysis , Machine Learning , and Neural Networks techniques.
- Proficient in programming languages such as Python, R, MATLAB, and C/C++.
- Proficient in modeling languages, such as MiniZinc.
- Experienced in software applications including Excel, SAS, SPSS, and Maple.