# Fatemeh Hojjaty Shargh

+989379592963 • fhojjaty00@gmail.com • linkedin.com/in/fatemeh-hojjaty-shargh-m • Tehran,Iran

## Summary

Energetic and motivated mathematics student with a passion for solving complex problems and contributing to impactful projects. Eager to apply analytical skills and innovative thinking to support initiatives that align with the mission of driving positive change. Committed to continuous learning and collaboration, bringing a fresh perspective and dedication to achieve shared goals. Looking forward to being an active part of an inspiring team and contributing to meaningful advancements.

## Experience

### Amirkabir University of Technology
University project     02/2024

Data Mining

- Implementation of SVM, KNN and Decision Tree models
- Identification of noise data and its removal
- Finding dependent data features using Correlation Heatmap

### Amirkabir University of Technology
Project introduced by professors     11/2022 - 02/2023

Biographies of prominent mathematics professors in Iran

- Collaboration in the team to implement the project
- Field research and interviews with professors
- Report writing for research

### National Organization for Development of Exceptional Talents
Participation in Mathematical Olympiad     2019 - 2020

- Solving complex math problems

## Education

### Amirkabir University of Technology
Bachelor of Mathematics     09/2021 - 02/2025

### National Organization for Development of Exceptional Talents
Diploma in mathematics and physics     09/2018 - 09/2021

## Skills

**Math lessons:** Logics & Set Theory · Numberical Analysis · Mathematical Analysis · Graph Theory · Linear Optimization · Data Mining

**Software Mathematics:** Mathematica · Maple · Matlab · Python

**Microsoft:** PowerPoint · Exele · Word