

# Melika Delafrouz Gavgani

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## LinkedIn:

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## Phone:

+989395220236

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## Education

- B.Sc. in Computer Engineering, Azad University North Tehran Branch 2020-2024

**GPA: 3.7/4**

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## Research Interests

- Data Science
- Theoretical & Mathematical Foundations
- Data Mining
- Algorithms and Theory
- Data Analysis
- Predictive Learning

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## Skills

- **Programming Languages:** Python, MATLAB, C++, Bash
- **ML:** Keras, Pandas, Scikit-Learn, TensorFlow, NumPy, Matplotlib, SciPy, PyTorch
- **Databases:** MySQL
- **Hardware:** Proteus Design Suite
- **Environments:** VSCode, Jupyter, PyCharm, Google Colab, Spyder
- **Others:** Git, IBM Rational Rose, Wireshark, Cisco Packet Tracer, Apache Beam

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## Projects

- Designed, developed and implemented a neural network-based system for recognizing handwritten digits.
  - Developed and implemented various computer networks using Cisco Packet Tracer as simulation software.
  - Successfully designed and executed logical circuits and microprocessors using Proteus simulation software.
  - Successfully applied software engineering principles in hypothetical projects using Rational Rose.
  - Experience in using MATLAB for various projects.
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## Work Experience

- **Supporting software and database for the merchandising department**  
Petrosazeh Beinolmelal Aram Co.      Internship
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## Selected Courses

Differential Equations	Top Mark	Data Structures	A
Discrete Mathematics	Top Mark	Fundamentals of Computer Programming	A
Artificial Intelligence and Expert Systems	Top Mark	Object-Oriented Systems Design	A
Database Lab	Top Mark		
Engineering Mathematics	A+		
Calculus 2	A+		
Signals and Systems	A+		
Advanced Programming	A+		

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## Honors and Awards

- **ICAN Gold Medal** **2017**  
For the innovation of smart wallet, Issued by Toronto International Society of Innovation & Advanced Skills (TISIAS)
- **ITEX Bronze Medal** **2017**  
For the innovation of smart wallet, Issued by Malaysian Invention and Design Society

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## English Proficiency

- **Overall: 7**  
Listening:  
Reading:  
Writing:  
Speaking:
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## References

- **Mohammad Misagh Javaherian (Hamedani)** (Lab Professor)  
Professor of Artificial Intelligence and Computer Science, Azad University  
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Phone: 0098938086759
  - **Masumeh Damrudi** (Project Advisor)  
Assistant Professor of Computer Engineering, North Tehran Branch, Azad University  
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  - **Arash Zaeim** (Course Professor)  
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