

# Tina Hasan Nasab

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## About Me

Computer Science student at Amirkabir University of Technology with a strong interest in Machine Learning and Algorithms. Passionate about exploring the theoretical foundations of computer science while applying practical techniques to solve real-world problems. Experienced with Python, SQL, and data analysis. Looking forward to opportunities that allow me to combine research, innovation, and teamwork in the fields of data science and artificial intelligence.

## Education

- B.Sc. in Computer Science, Amirkabir University of Technology (Tehran Polytechnic), 2022 – Present  
GPA: 3.7/4
- High School Diploma in Mathematics and Physics, Farzanegan School, 2020 – 2022

## Skills

- C++ (Intermediate, 4 years)
- Python (Intermediate, 3 years)
- C# (Beginner, 2 year)
- SQL (Beginner, 2 year)
- Database Designing (Beginner, 2 year)
- Qt (Beginner, 1 years)
- Machine Learning (Intermediate, 2 years)
- Neural Networks (Beginner, 1 year)

## Teaching Assistant Experience

- Teaching Assistant for *Introduction to the Theory of Computation*, Prof. Pourmahdian
- Teaching Assistant for *Fundamentals of Numerical Analysis*, Prof. Shakeri

## Projects

- **Deadlock Detection and Resource Allocation using Banker's Algorithm**
- **Applied word embedding techniques to represent graph nodes and perform unsupervised classification on the Karate Club network**
- **Sensor-Based Human Activity Recognition using Machine Learning**
- **High-Resolution Image Compression via LU Decomposition and Quantization**

## Certifications

- Python, Kaggle
- Introduction to C#, Sololearn
- Introduction to SQL, Sololearn

## Languages

- Persian (Native)
- English (Proficient for work)