Negar Yeganeh Sarhangy

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About Me

Computer Science student at Amirkabir University of Technology, passionate about Machine Learning and Artificial Intelligence. Skilled in Python programming, problem-solving, and teamwork. Seeking an internship opportunity to expand knowledge and gain hands-on experience in a professional environment.

Education

- B.Sc. in Computer Science, Amirkabir University of Technology (Tehran Polytechnic), 2022 – Present
  GPA: 18.87/20

- High School Diploma in Mathematics and Physics, Farzanegan School, 2020 – 2022

Teaching Assistant Experience

- Teaching Assistant for *Introduction to the Theory of Computation*, Prof. Pourmahdian

- Teaching Assistant for *Fundamentals of Numerical Analysis*, Prof. Shakeri

Skills

- Python (Intermediate, 2 years)

- C++ (Intermediate, 4 years)

- SQL (Beginner, 1 year)

- C# (Beginner, 1 year)

- Qt (Beginner, 2 years)

- Machine Learning (Intermediate, 2 years)

- Neural Networks (Beginner, 1 year)

Projects

- **Fraud Detection in Car Insurance** – Built ML models to detect fraudulent claims

- **Genetic Algorithm for Customer Purchase Prediction** – Implemented a GA to optimize product-mix strategies and compared results with K-Means clustering on sales data

- **Dimensionality Reduction on MNIST** – Applied PCA & t-SNE with trustworthiness evaluation

- **Text Clustering using NMF and LSA** – Applied NMF & LSA for feature extraction and clustering of high-dimensional text data

Certifications

- Introduction to C#, Sololearn

- Introduction to SQL, Sololearn

Languages

- Persian (Native)

- English (Proficient for work)