Alireza Parvaresh
Tehran, Tehran — a.parvaresh@itrc.ac.ir — (+98) 915-380-3313 — linkedin.com/in/parvvaresh/ — iran Citizen

EDUCATION

Amirkabir University of Technology (among the top 3 universities in Iran), Tehran, Iran Enrolled: Oct 2020 — Expected: Oct 2025
Bachelor's degree Overall GPA: 3.78
Selected Courses: Linear Algebra: A+, Programming Basics and advance: A+, data structure: A+, Basics of probability: A+, Data Base : A+

1 Research Interests

- **Artificial Intelligence** • **Machine Learning** • **Deep Learning** • **Computer Vision**
- **Reinforcement Learning** • **Autonomous Vehicles** • **Recommender Systems**

EXPERIENCE

IRAN Telecommunication Research Center Tehran, Iran
NLP Engineer — Researcher 2022 Sep - Present

- In the lab, we analyze textual data and test and evaluate products based on artificial intelligence.

Zarinpal Tehran, Iran
Data Analyst Jul 2023 - Sep 2023

CS50xTehran Tehran, Iran
Teaching Assistant Jul 2023 - Sep 2023

- Assistant teacher of Harvard University's Basics of Programming and Artificial Intelligence course.

University of Tehran Tehran, Iran
Teaching Assistant and Head TA Jan 2023 - Present

- introduction to python -spring 2023
- data base - spring 2023
- head of TA (Introduction to python -fall 2023)
- head of TA (data base - fall 2023)

Amirkabir University of Technology - Tehran Polytechnic Tehran, Iran
Teacher Assistant Nov 2022 - Jan 2023

- introduction to python -fall 2022
- data base - spring 2023
- data mining spring 2023

Scientific Student Association of Engineering Science Department Tehran, Iran
Teacher Sep 2023 - Present

- Database conceptual design workshop and SQL instructor.

PROJECTS

Evaluation of machine-translation by NLP
Project Link: `https://github.com/parvvaresh/Evaluation-of-machine-translation-by-NLP`

- To evaluate machine translation, they use several methods, some of which we fully implemented

spotify recommendation system
Project Link: `https://github.com/parvvaresh/spotify-recommendation-system`

- Cosine similarity is one of the most widely used and powerful similarity measure in Data Science. It is used in multiple applications such as finding similar documents in NLP, information retrieval, finding similar sequence to a DNA in bioinformatics, detecting plagiarism and may more.

Autocorrect Text using NLP in Python
Project Link: `https://github.com/parvvaresh/Autocorrect`

- Automatic correction is implemented by 2 algorithms eidt distance and jaccard$_s imilarityandbothcorrectwordsautomaticallywithh$

Face Mask Detection using TensorFlow and OpenCV
Project Link: `https://github.com/parvvaresh/face-mask`

  - using a pre-trained MobileNetV2 model with TensorFlow and OpenCV. It can process live video from a webcam and classify faces as wearing a mask or not wearing a mask.

Knowledge Graph
Project Link: `https://github.com/parvvaresh/Knowledge-Graph`

– science and it is possible to obtain a general visualization of the data A knowledge graph can be created by using the subject and the object in the sentences and the main verb in the sentence. Note that sentences must be extracted that have exactly one subject and one object.

email Persian spam detection with ML algoritms
Project Link: `https://github.com/parvvaresh/email-spam-detection`

- we use 2 algoritms for word to vec :

  1. tf-idf
  2. freq word

  we use 6 algoritms for classifiction:

  1. KNN
  2. Logstic Regression
  3. Decision Tree
  4. Random Forest
  5. Naive Bayes
  6. SVM

  we use hazm for pre process

SKILLS

- **Programming Languages:** Python , My SQL, R, C, C++.
- **Libraries and Frameworks:** TensorFlow, Scikit-Learn, Numpy, Pandas, Matplotlib, Seoborn, Hazm, NLTK,
- **Environments and Tools:** Linux, Git, Postman
- **Miscellaneous** LATEX