

Sara Asadi

Computer Engineer

📍 Address: Iran
🌐 LinkedIn

🗣️ Language: English
🐙 GitHub

✉️ saraasadi7899@gmail.com

☎️ +989145031575



EDUCATION

B.Sc in Computer Engineering 9.2018 – 2.2023
Ferdowsi University
GPA:3.34 📍 Mashhad, Iran

Diploma in Mathematics 9.2013 – 12.2017
National Organization for Development of Exceptional Talents
GPA:3.9 📍 Mianeh, Iran

INTERSHIP

📍 HamtaRayaneh 6.2022 – 10.2022
Database developer,
SQL Server

PROJECTS

Machine Learning for Mental Health Prediction

Applied machine learning and neural network techniques on a diverse dataset including people's music listening habits and their mental well-being data. This analysis involved data preprocessing, visualization, implementation of predictive models, and performance evaluation.
GitHub 8.2023

Knowledge Graph Project with Neo4j

Developed a Knowledge Graph using Neo4j and Cypher language, enabling efficient data visualization and analysis. NoSQL architecture for flexible data modeling, retrieval efficiency, and enhancing data storage.
GitHub 9.2022

Data Mining, Python

Performed preprocessing, cleaning, and analysis of the Walt Disney movies dataset using pandas and numpy, applied machine learning techniques with scikit-learn, and visualized the results using matplotlib.
GitHub 1.2022

Youtube DataBase Project with SQL

Developed a YouTube-like video-sharing and service-sharing network database using SQL in PostgreSQL, showcasing proficiency in database design and management for a complex media-sharing platform.
GitHub 7.2021

Wild West Saga game in QT

Designed and developed an idle game using C++ within the QT environment, showcasing expertise in graphical and object-oriented widget-based programming for an engaging gaming experience.
GitHub 12.2021

Text Search Engine

Implemented a high-speed text search engine in C++ with a focus on multi-threading techniques, comparing the efficiency of Mutex Lock and Semaphore synchronization methods for enhancing search performance. GitHub 11.2020

ABOUT

Graduated in computer engineering, I am deeply passionate about the following areas:

- Machine Learning
- Data Mining
- Software Development
- C++ Development
- Data Visualization

I am also highly motivated to acquire new skills and knowledge.

TECHNICAL SKILLS

C++
Python
Machine Learning Algorithms
Data Engineering
SQL and NoSQL
Neo4j
Git
Database
Linux
Data Analysis
Neural network
HTML and CSS

TEACHING ASSISTANT

- Fundamentals of Compiler Design,
Prof. Amintoosi, Ferdowsi University
2.2022 – 7.2022

LANGUAGES

- English: professional proficiency
- Persian: bilingual proficiency
- Azeri: mother tongue

HONORS

- Ranked among the top 1% of participants in undergraduate university entrance exam.
- Achieved 1st place in the Physics Olympiad in the Azerbaijan province.
- Achieved the 1st rank among high school students in Mianeh consistently every year.

SELECTED COURSES (GRADE OUT OF 4)

Data Mining (4/4)
Database (4/4)
Data Structures (4/4)
Information Retrieval and Web Search (4/4)
Cloud Computing (4/4)
Advanced Programming (4/4)
Software Engineering 1-2 (4/4)
Software Testing (4/4)
Graph Theory and Application (4/4)
Operating Systems (4/4)
Compiler Design (4/4)
Algorithms Design (4/4)
Web Programming (4/4)
Computer Networks (4/4)

SOFT SKILLS

Cooperative
Enthusiastic about learning
Team working
Problem-solving
Critical Thinking
Dedicated
Adaptability

HOBBIES AND INTERESTS

- **Passionate about:** Learning about the human brain
- **Reading:** Philosophical and psychological books
- **Listening to:** Podcasts
- **Enjoying:** Watching series and sitcoms
- **Outdoor Activity:** Hiking