narsan

narges-sodeifi

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Narges Sodeifi

Undergraduate computer engineering student. Accepting problems and struggling to find their solutions is one of my interests. I am passionate about sports, team work, and learning new subjects.

Research interests

- Artificial intelligence, Sports applications, Data bases

Education

- **Bachelor of Science: Computer Engineering**
  Amirkabir University of Technology – Tehran, Iran (2018- 2022(Expected)) – GPA: 16.89
  Field of study: Artificial intelligence
  Information retrieval: 16.01 – Artificial intelligence: 17.17 – signal and systems: 19.25 – Algorithm design: 20
  Other related grade: *research and technical presentation: 19.5*

- **High School Diploma**
  Sotoudeh High School – Tehran, Iran (2014–2018) – GPA: 18.88

Skills

- Programming languages: Python, Java, C, MySQL
- Hardware description languages: VHDL, Verilog
- Familiar with: C++, JavaScript, Assembly language

Languages

- Persian (Native)
- English (Full professional proficiency)

Notable Projects

- **Information Retrieval:** Creating a search engine on 7000 documents using information retrieval techniques. Getting user's query then showing documents ranked due to the similar number of the words with the query. In the next phase, we ranked documents depending on how much related they are to the query.
- **Library Management System Database:** A library system with many features with a backend written in MySQL language and a user interface written in Python. (Fall 2020)
- **Color Sudoku:** A color sudoku is simply a sudoku with color conditions: Cells which stand next to each other should have different colors. This Java code will solve color sudokus using AI algorithms such as forward checking, back tracking and MRV (Minimum Remaining Values). (Fall 2020)
- **Find Poet:** An NLP Project implemented in Python. There are Three poets: Hafez, Sadi and Molavi with their poems. This program can find the poet based on their language model using unigram and Bigram also uses a backoff model to improve final probability.
- **Jpotify Music Player:** Jpotify is a music player written in Java that has extra features besides playing songs. It lets you make playlists and add or remove songs. It automatically arranges the albums and can show lyrics to any song. It uses a TCP connection that lets you connect to other users and share songs or playlists. (Spring 2019)

Additional Information

- Data science intern at Sanjeman (present)
- Microprocessor Teacher Assistant (Spring 2021)
- Instagram page designer at Teenglish (a private English group) (2020)
- Certified in CEH (Certified Ethical Hacker) from Maktabkhooneh
- Certified in Front-End web development from Quera