Raeen Askari

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EDUCATION

- **Bachelor of Science in Computer Science**, University of Tehran, Iran   2023 – present
    - GPA: 3.40 / 4.00
    - Relevant Courses: Data Structures, Algorithms, Operating Systems

ASSISTANT TEACHING EXPERIENCE

- **Teaching Assistant – Data Structures**, University of Tehran   2025 – present
    - Conducted sessions and tutorials for undergraduate students
    - Assisted in grading assignments and exams

SKILLS

- **Programming Languages:** C++, Python, C

- **Technologies / Tools:** Git, GitHub, Docker, VS Code

- **Areas:** Algorithms, Data Structures, Operating Systems, Competitive Programming

PROJECTS

- **XV6-Project** – An extended version of the xv6 operating system with added features.
  github.com/SadeghHeydarii/XV6-Project

- **CPU-Scheduling-Simulation** – CPU scheduling simulator in C++ with FCFS, SJF, and Round Robin.
  github.com/SadeghHeydarii/CPU-Scheduling-Simulation

- **Syncronization-Problem-TA-Student-Simulation** – C++ simulation of the Sleeping TA synchronization problem.
  github.com/SadeghHeydarii/Multithreaded-Sorting-Application

- **Multithreaded-Sorting-Application** – A multithreaded C++ program that sorts data in parallel.
  github.com/SadeghHeydarii/Syncronization-Problem-TA-Student-Simulation

- **Sudoku-Solution-Validator** – A tool (in code) that checks whether a completed Sudoku board is valid.
  github.com/SadeghHeydarii/Sudoku-Solution-Validator