Sayed Amirreza Arjmand

https://amrear.com | amrear@proton.me | arjmandamirreza@gmail.com | +98 937 238 8234
https://github.com/amrear

Education

Jahrom University, Bachelor of Computer Engineering   Nov 2020 – Sep 2024
- **CGPA:** 3.8/4 (18.39/20 in Iranian Scale)
- **Coursework:** Artificial Intelligence and Machine Learning, Web Development
- **Ranking:** Ranked first in my degree program

Khansari High School, Diploma in Mathematics/Physics   Sep 2017 – Jul 2020
- **CGPA:** 3.58/4 (16.90/20 in Iranian Scale)

Highlighted Courses

- **Design of Algorithms and Data Structures:** 4/4 (19 and 19.5/20 in Iranian Scale)
- **Artificial Intelligence and Expert Systems:** 4/4 (20/20 in Iranian Scale)
- **Speech and Language Processing:** 3.1/4 (14.5/20 in Iranian Scale)
- **Fundamentals of Computer Vision:** 4/4 (20/20 in Iranian Scale)
- **Principles of Robotics:** 4/4 (19.64/20 in Iranian Scale)
- **Principles of Computational Intelligence:** 4/4 (18/20 in Iranian Scale)
- **Calculus I and II:** 4/4 (18.2/20 in Iranian Scale)
- **Discrete Mathematics:** 4/4 (17.4/20 in Iranian Scale)

Research Interests

- Data Science, Data Analysis, and Statistical Pattern Recognition
- Machine Learning and Deep Learning
- Computer Vision
- Large Language Models
- Robotics and Automation

Teaching Experience

- Delivered practical sessions for Fundamentals of Machine Learning and Computer Vision courses in Shiraz University, complementing theoretical lectures by guiding students through the challenges of implementation.
- Instructed C++ programming principles for the duration of two semesters in the Computer Workshop course.
- Provided grading support and assisted students as a grader and TA for Data Structures, Artificial Intelligence, and Operating Systems courses.

University Projects

Jahrom University's Captive Portal
- Redesigned and optimized Jahrom University's network captive portal for enhanced user experience and responsiveness.
- Tools: HTML, CSS, Bootstrap

Ticketing System for the Jahrom University
- Developed a ticketing system for Jahrom University staff to streamline issue tracking and resolution.
- Tools: React, ExpressJS, PostgreSQL, Prisma ORM

Various University Related Project (github)

- Throughout the undergraduate program at Jahrom University, we completed various projects aimed at reinforcing theoretical knowledge and practical skills across multiple courses.
- Notable Projects: Exploration of the GNU/Linux OS, Holoo Programming Language, CPU Scheduling Simulation using Round Robin and SJF Queuesm, Solving Sudoku using A* Algorithm.

Language Skills

Farsi Native Language

English C1
- **Listening:** C2, **Reading:** C1, **Writing:** C1, **Speaking:** C1

German A2
- **Listening:** A2, **Reading:** A2, **Writing:** A1, **Speaking:** A1

Work Experience

My freelance experience encompasses the development and deployment of diverse web applications, utilizing a range of technologies including, but not limited to, Django, Flask, and WordPress. These projects have resulted in the creation of platforms spanning content management systems (CMS) for blogs and organizational publications, as well as e-commerce solutions.

Languages and Technologies

Languages: Python, C, C++, PHP, Javascript, MATLAB, SQL, GNU Assembly x86, VHDL, Shell Script, HTML, CSS, LaTeX

Technologies: PyTorch, scikit-learn, OpenCV, Flask, Django, Express, JQuery, Bootstrap, MySQL, SQLAlchemy, Microsoft SQL Server

Recommendation Letters

- Dr. Mohsen Rahmanian (Faculty Member of Dept. Computer Engineering Group in Jahrom University)

- Dr. Mohammad Ebrahim Samie (Faculty Member of Dept. of Knowledge and Information Sciences)

- Dr. Mozhdeh Rahmanian (Faculty Member of Dept. Computer Engineering Group in Jahrom University)