

Sadaf Nazari

Personal

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Website: <https://sadafnazari.github.io/>

Education

- Sep. 2016-Present
- B.Sc. in Computer Engineering, K. N. Toosi University of Technology, Tehran, Iran.
[World university rankings 2020](#): 801-1000th
 - ❖ Overall GPA: 3.34/4 (16.76/20)
 - ❖ Last two-year GPA: 3.55/4 (17.10/20)

Fields of Interest

- Machine Learning, Deep Learning, Reinforcement Learning
- Computer Vision, Image Processing
- Robotics

Honor and Awards

- Dec. 2018
- Best Presentation in RoboCup Asia-Pacific (2D Soccer Simulation League).
- Sep. 2018
- 3rd place in RoboCup Shiraz Open Competition (2D Soccer Simulation League).
- Sep. 2016
- Received Full Tuition Fee Waiver Scholarship from K. N. Toosi University of Technology.
- Jul. 2016
- Ranked in the top 0.8% among more than 200000 participants in the annual nationwide undergraduate university entrance(konkoor) exam.

Projects

- Sep. 2020-Present
- Bachelor Thesis, Single Shot Licence Plate Detection (In progress)
 - ❖ I am trying to use SSD architecture for detecting licence plates.
 - ❖ Assistant Professor: Dr. Behrooz NasihatKon
- Jun. 2020
- Development of Persian Handwritten Recognizer ([GitHub link](#))
 - ❖ We used Computer Vision and CNN to detect Persian letters and digits.
 - ❖ Assistant Professor: Dr. Behrooz NasihatKon
- Dec. 2019
- Development of AES Rijndael Algorithm on FPGA ([GitHub link](#))
 - ❖ We hired hardware approach to speed up the encryption and decryption.
 - ❖ Assistant Professor: Dr. Hossein HosseiniNejad

Certificates

- KNTU ACM Student Chapter ([link](#))
- RoboCup Asia-Pacific 2018 Competition ([link](#))
- RoboCup Shiraz Open 2018 Competition ([link](#))
- Deep Learning Specialization ([link](#))
- Machine Learning with Python([link](#))

Research Experience

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| Sep. 2020-Present | • Research and Development Specialist, Rahbin Sanat Nasir , Tehran, Iran. |
| Jul. 2020-Sep. 2020 | • Research and Development Intern, Rahbin Sanat Nasir, Tehran , Iran. |
| Dec. 2017-Apr. 2019 | • Researcher, 2D Soccer Simulation League, KN2C Robotic Team , Tehran, Iran. |

Teaching Experience

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| Sep. 2019-Jun. 2020 | • Teacher, Python Programming, Taghva High School, Tehran, Iran. |
| Sep. 2019-Jan. 2020 | • Teaching Assistant, Digital Electronic & VLSI, K. N. Toosi University of Technology, Tehran, Iran.
❖ Assistant Professor: Dr. Masoud DehYadegari |
| Jan. 2019-May 2019 | • Teaching Assistant, Fundamentals of Programming, K. N. Toosi University of Technology, Tehran, Iran.
❖ Assistant Professor: Dr. Chitra Dadkhah |
| Sep. 2018-Mar. 2019 | • Instructor of C++ Programming Course, KNTU ACM Student Chapter, Tehran, Iran.
❖ Assistant Professor: Dr. Amin NikAnjam |
| Sep. 2018-Jan. 2019 | • Teaching Assistant, Microprocessors & Assembly Language, K. N. Toosi University of Technology, Tehran, Iran.
❖ Assistant Professor: Dr. Behrooz NasihatKon |
| Jan. 2018- May 2018 | • Teaching Assistant, Discrete Mathematics, K. N. Toosi University of Technology, Tehran, Iran.
❖ Assistant Professor: Dr. Hossein Khasteh |

Relevant Courses

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| • Fundamental of Computer & programming (A+) | • Artificial Intelligence & Expert Systems (A) |
| • Algorithm Design (A) | • Fundamental of Robotics (A) |
| • Engineering Probability (A+) | • Foundations of Computer Vision (A+) |

Computer Skills

Deep Learning	TensorFlow, Keras
Computer Vision	OpenCV, NumPy, SciPy, Matplotlib
Programming Language	C++, Python, C (EXPERT) Java, VHDL, Verilog, x86Assembly (FAMILIAR)
Tools	GIT, Linux
Web Development	HTML, CSS, JavaScript(FAMILIAR)

Language Skills

- Persian: Native
- English: Fluent

Hobbies

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| • Reading philosophical books | • Playing video games |
| • Cycling | • Watching movies and series |