SAHAR FAKHRIEH KASHAN

Website: saharfk.github.io/CV/ LinkedIn: linkedin.com/sahar-fakhrieh
E-mail: saharfakhriehkashan@gmail.com Github: github.com/saharfk

EDUCATION

B.Sc. Computer Engineering September, 2017 - August, 2021
The University of Guilan, Rasht, Iran
- **GPA:** 3.6 (17.45/20)

- Thesis:" Visual Neglect Therapy Service (website version)"
- Supervisors: Dr. HamidReza Ahmadifar
- Thesis Grade: 20/20
- Explanation: A cost-effective technology for rehabilitation following a brain injury. Can help individuals with visual field issues.

HONORS AND AWARDS

Coursera GTC Badge (Translated at least 15,000 words at high quality) September, 2021
Translated at about 15,000 words at high quality in Coursera GTC
You can find the **badge** here.

Participant in ICPC (International Collegiate Programming Contest) December, 2020
in the West Asia Regional ACM-ICPC Programming Contest, Tehran, Iran
You can find the **certification** here.

Top 1**%** of 150,000 participants in Iranian University Entrance exam for Bachelor of Science July, 2017

Tuition Waiver, B.Sc., University of Guilan July, 2017
I was selected through a highly competitive national entrance exam. In this exam, the selected students should have a minimum rank of up to 1% to get accepted at the University of Guilan, and it has approximately a total of 150,000 applicants.

RESEARCH INTERESTS

- Software Engineering

- Machine Learning

- Computational Intelligence

- Natural language processing (NLP)

SELECTED PROJECTS

- **TensorFlow movie recommender**
  Extended TensorFlow movie recommender code, using *TensorFlow Recommenders (TFRS)* library and with *MovieLens* dataset. This project was developed in the *Google Colab* environment.
  github.com/saharfk/tensorflow-movie-recommender

- **Simulation of Flappy Bird game based on Computational Intelligence**
  Rebuilt the Flappy Bird project using neat library in *Python* based on *Genetics Algorithm*.
  The final project of the Principles of *Computational Intelligence* course, Under the supervision of Ali Tourani.
  github.com/saharfk/flappy-bird

- **Simulation of Shop-database**
  Designed a database for an online store using *SQL server*.
  The final project for the *database management* course, under the supervision of Dr. Asadollah Shahbahrami.
  github.com/saharfk/shop-simulator

- **Embedded-System-air-controller**
  Designed an air conditioner and simulated it using the *Proteus*. The system samples temperature and humidity from three points by three temperature and humidity sensors and controls a heater, an air conditioner, and a humidifier.
  The final project of *embedded* system course, under the supervision of Dr. Mohammad Salehi.
  github.com/saharfk/Embedded-System-air-controller

- **Python assistant**
  Designed a *google assistant simulator* with *Python* that can do things like playing music, searching on Wikipedia, reporting weather, talking, and understanding your voice, opening IDE, etc.
  final project of Python elementary course.
  github.com/saharfk/python-assistant

- **Graphical document scanner with OpenCV and PyQt5**
  Developed a *document scanner* simulator app with *OpenCV* that gets a picture and scans it in different models, and executes it in .pdf format.
  The final project of Fundamental of Computer Vision course, Under the supervision of Dr. Asadullah Shahbahrami.
  github.com/saharfk/graphical-document-scanner-with-openCV

- **Django "Instagram Web" clone**
  Coded a clone of the *Instagram web* page with *Django* and *Bulma* framework.
  github.com/saharfk/instagramCloneProject

- **Amazon book finder**
  Built a *web scrapper* with "*bs4*" and "*requests*" libraries in *Python* that gets books name or writer and scraps in "amazon" website and gives books detail as output.
  github.com/saharfk/book-finder

- **Knapsack Problem**
  Developed the *knapsack* code with *Python* from scratch (without using its library) for solving a particular problem.
  The final project of algorithm design course, Under the supervision of Nima Nozari.
  github.com/saharfk/knapsack

- **TSP (traveling salesman Problem)**
  Developed the *TSP* code with *Python* from scratch (without using its library) for solving a particular problem.
  The final project of algorithm design course, Under the supervision of Nima Nozari.
  github.com/saharfk/TSP

EXPERIENCE

Embedded Systems Teaching Assistant Sep 2021 to Jan 2022
University of Guilan
Under supervision of Dr. Mohammad Salehi
grading assignments + grading final project + Designing sample questions

Theory of formal languages and Automata Teaching Assistant Feb 2020 to May 2020
University of Guilan
Under supervision of Dr. Mehrdad Shekarian
Team coordinator + Designing and grading assignments + Designing sample questions

Programming Basics Teacher Assistant Sep 2019 to Jan 2020
University of Guilan
Under supervision of Dr. Mehrdad Shekarian
Designing and grading assignments

VOLUNTEER EXPERIENCE

Member of the Coursera Translators Association Apr, 2019
Translated approximately 16000 words at "coursera.org"
You can see my profile from Here

SELECTED CERTIFICATIONS

Mastering The Complete Agile Scrum Master Workshop, Udemy — Sep, 2021
You can find the certification here.

Building Web Applications in Django, Coursera — May, 2021
You can find the certification here.

Hadoop Platform and Application Framework, Coursera — Feb, 2021
You can find the certification here.

Web scraping with Python Certification, Maktabkhooneh — Apr, 2020
You can find the certification here.

Advanced Python programming Certification, Maktabkhooneh — Nov, 2019
You can find the certification here.

Python elementary Certification, Maktabkhooneh — Apr, 2019
You can find the certification here.

LANGUAGES

Persian: Native Language

English: IELTS Overall: 6.5
Listening: 7, Reading: 6.5, Writing: 6, Speaking: 6.5

Turkish: Intermediate

SKILLS

Programming Languages: Python, Java, C++.
Web Development: HTML, CSS, JavaScript, Django, PHP.
Applications: Proteus, GNS3, Unified Modeling Language (UML), Wireshark.
Operating Systems: Windows, Linux (Ubuntu).
Tools & Technologies: GitHub.
Natural Language Processing: TensorFlow.
Computer Vision: OpenCV.
Database Management: SQL Server 2008, MySQL, PhpMyAdmin.
Soft Skills: Critical Thinking, Creativity & Problem Solving, Teamwork, Leadership, Digital Literacy, Intercultural Fluency