
Mohammad Mirsafaei

(+98) 9135567015

mohammad.mirsafaei@gmail.com

[linkedin.com/in/mohammadmirsafaei](https://www.linkedin.com/in/mohammadmirsafaei)

stackoverflow.com/users/10243786/mohammad-mirsafaei

github.com/MohammadMirsafaei

EDUCATION

Bachelor of Science in Computer Engineering - *Isfahan University of Technology*

Sep 2017 - Jun 2021

GPA: 85 / 100 Over the Last 2 Years

Supervisor: Dr. Alireza Basiri

Research Interests

Computer Vision / Machine Learning Applications / Data Mining / Natural Language Processing

PUBLICATIONS

Mirsafaei, M., & Basiri, A. (2022, May). Addressing Death from Heart Failure Using RACER Algorithm. In 2022 30th International Conference on Electrical Engineering (ICEE) (pp. 636-640). IEEE. ([Link to the article](#))

Toulabinejad, E., Mirsafaei, M., & Basiri, A. Supervised Discretization of Continuous-Valued Attributes for Classification Using RACER Classifier. [In submission process for Expert Systems with Applications Journal]

EDUCATIONAL EXPERIENCE

Research Assistant - *Dr. Alireza Basiri*

Nov 2021 - PRESENT

Working on improvement of RACER algorithm and providing solutions for drawbacks of this algorithm.

Teaching Assistant - *Dr. Zahabi (Isfahan University of Technology)*

Oct 2021 - Feb 2022

Taught fundamentals of programming (C language) in the General Programming Lab for all of the undergraduate engineering students.

Teaching Assistant - *Dr. Basiri (Isfahan University of Technology)*

Jan 2020 - Jan 2021

Taught students fundamentals and complex queries of SQL based on MS-SQL Server in Database Lab.

Teaching Assistant - *Dr. Lotfi (Isfahan University of Technology)*

Oct 2018 - Jun 2019

Taught advanced programming (C++) for computer engineering students in Advanced Programming Lab.

HONORS & AWARDS

Awarded 3rd Place, Bronze Medal - IT Software Solutions for Business (C# Development) - *18th Iranian National Skills Competitions*

Jul 2018

This competition is part of the [World Skills](#) competitions.

Ranked among top 1.25% of 148429 participants - *Undergraduate Iranian university entrance exam (Konkour)*

Aug 2017

SELECTED COURSES & GRADES

Fundamentals of Data Mining - 94.25 / 100

Fundamentals of Computational Intelligence - 74.5 / 100

Applied Linear Algebra - 81 / 100

Engineering Statistics and Probability - 70 / 100

Software Engineering I - 95.5 / 100

Software Engineering II - 99.5 / 100

Software Engineering I Lab - 100 / 100

Operating Systems I - 78 / 100

Operating Systems Lab - 97 / 100

Computer Networks - 84 / 100

Computer Networks II - 93 / 100

Computer Networks Lab - 89.85 / 100

Fundamentals of Secure Computing - 83.15 / 100

Secure Software Development - 77.55 / 100

Compiler - 72 / 100

Database II - 90.5 / 100

WORK EXPERIENCE

Senior Software Engineer - *Vandar*

Aug 2022 - PRESENT

[Vandar.io](#) provides innovative payment solutions. I work on core and payment gateway services.

Senior Software Engineer - *Roboeq*

Sep 2021 - May 2022

Developed an electronic parts search engine (Kavanew) with great accuracy and features powered by Elasticsearch, Laravel, MySQL, Redis, and Nuxt.js. Also its crawler with Python, Django, Scrapy, Celery, and Splash.

Software Engineer & Consultant - *Behin Sanat Arsha*

May 2018 - Jan 2022

Developed one of the rarest products in the world, Video Extensometer with ability to report accurate R-factor and N-factor. A complex software combined with image processing which is being used in Mobarakheh Steel Company (the largest steel maker of the Middle East & Northern Africa region).

Software Engineer - *Nimo engine*

Jun 2021 - Oct 2021

Developed backend API for mentoring application.

Software Engineer - *Kian ICT*

Jul 2019 - Jul 2020

Developed library automation software using Django.

SELECTED PROJECTS

Smart Task Recommendation System - *Vira Vision*

Aug 2022 - Present

Developing task recommendation system based on research on effects of personality traits on performance and preferences of employees. Also information gathering and using machine learning techniques is in process.

Online Transformer Monitoring System - *Shahid Beheshti University*

Sep 2021 - Present

Developed an online monitoring system for the university with cooperation with Dr. Reza Mohammadi (faculty of Electrical Engineering at Shahid Beheshti University)

SKILLS

Languages

- Persian: Native
- English: Fluent - TOEFL Score: 103 (Reading: 29, Listening: 29, Speaking: 23, Writing: 22)
- Arabic: Basic knowledge

Technical

- PHP / Python / Golang (Go) / JavaScript / Typescript / C / C++ / C# / Matlab / Verilog
- Data Mining / Machine Learning / TensorFlow / Keras / Pandas / Numpy / Scikit-learn
- Software Design / Software Architecture / Database Design / REST APIs / GraphQL
- Design Patterns / TDD / Agile / Scrum
- Laravel / NestJS / Node.js / Django / Lumen / Gin / Flask
- Vue.js / Nuxt.js / Tailwind / Bootstrap
- RDBMS (MSSQL Server, MySQL, PostgreSQL) / GORM / Prisma
- Nginx / Elasticsearch / Logstash / Redis / RabbitMQ / MongoDB
- Git / Git Flow / Docker / Docker Compose / Linux
- WordPress / C# WinForms / Electron / QT

REFERENCES

Dr. Alireza Basiri (basiri@iut.ac.ir)