



Mohammad Ahmadi

📍 Iran ✉ ahmadi.mohammad71@gmail.com ☎ +98-937-791-0414

📅 1992/09/13 🖱 webpage in linkedin 🔄 github

🚩 About me: As a Data Scientist, I work with data and develop intelligent algorithms capable of learning and analysing data to predict events, trends,... I have in-depth knowledge of data science, programming languages, mathematics and the development of machine learning algorithms.

🎓 Education

2016/09 – 2019/09
Shiraz, Iran

MASTER OF SCIENCE, Artificial Intelligence & Robotics, Shiraz University

- Overall GPA: 17.68/20.00 - (without thesis grade)
- Thesis Advisor: Dr. Reza Boostani
- Thesis Grade: Excellent 19.40/20.00
- Selected Courses: Machine Learning, Advanced Statistical Pattern Recognition, Statistical Pattern Recognition, Digital Image Processing, Evolutionary Computing, Bioinformatics, Fuzzy Sets & Systems.

2010/09 – 2015/07
Shiraz, Iran

BACHELOR OF SCIENCE, Computer Engineering, Shiraz University

- Overall GPA: 15.17/20.00
- Selected Courses: Statistics & Probabilities, Data Structures, Robotics, Theory of Lang. & Automata, Advanced Programming, Design & Analysis of Algorithms, Operations Research, Signals & Systems, Computer Networks, Data Communications, Operating Systems.

💼 Professional Experience

2019/12 – 2021/12
Iran

Data Scientist, Provincial ICT Office

- Duties included: Organising data in to usable formats, Collecting data, Data Analysis, Programming (Python, Java), Building predictive models, Preparing reports for executive and project teams, Creating visualisations of data

2020/09 – 2021/02
Iran

University Lecturer, Yasouj University

- Course: The Design and Analysis of Algorithms

2017/12 – 2019/12
Iran

Data Scientist, ZEICO company

- Duties included: Identifying relevant data sources for business needs, Collecting data, Processing, cleansing & verifying of data

2013/09 – 2019/02
Iran

Teacher Assistant, Shiraz University (CSE & IT Dept)

- Courses: Advanced Statistical Pattern Recognition, Artificial Intelligence, The Fundamentals of Programming, Microprocessors

2016/11 – 2017/11
Iran




Machine Learning Researcher,

Machine Vision Lab of Shiraz University (CSE & IT Dept)

- Duties included: Clean and interpret data and build models using a combination of machine learning algorithms and data, Programming (Python, Matlab), Feature Engineering

- 2013/02 – 2015/11 **Android Developer and Freelancer (Self-funded),**
CafeBazaar, Myket, Parscoders and other app stores
- Duties included: Design and Implementation of six Entertainment applications, Design and Implementation of a video and sound mix application
- 2015/07 – 2015/10 **Computer Engineer (Internship), Iran National Standards Organization**
 Iran
- Duties included: Creating various types of hardware and software like routers, circuit boards or computer programs

Projects

- 2017 – 2020 **Design and implementation of three new feature selection algorithms for high-dimensional data and the Implementation of tens Hybrid, Wrapper, and filter Feature Selection Algorithms**
<https://github.com/MohammadAhmadig/Hybrid-and-Wrapper-Feature-Selection-Algorithms---Complete-Package> 
- 2017 **Propose and accomplishment an Automatic Clothing Recognition and Product Suggestions for websites or clothing shopping**
<https://github.com/MohammadAhmadig/Clothing-Recognition-and-Segmentation-for-Automatic-Product-Suggestions> 
- 2021 **Developing two online forecasting software with statistical and machine learning algorithms for stock market data**
<https://github.com/MohammadAhmadig/Online-Stock-Market-Statistical-Forecasting> 
- 2019 **Build online software to extract and check website information**
<https://github.com/MohammadAhmadig/Online-Web-Scraper-Software> 
- 2022 **Generating an online software for Putting Glasses or Sunglasses on a Person's Face on a shopping website**
<https://github.com/MohammadAhmadig/Glasses-on-Face> 

Publications

Book:

- M.Ahmadi Ganjei, K.Shirini, Feature Selection & Dimension Reduction in Machine Learning, 2020, Akhtar Publications, in Persian

Papers:

- M. A. Ganjei and R. Boostani, "A Hybrid Feature Selection Scheme for HighDimensional Data," 2022, Accepted paper, Engineering Applications of Artificial Intelligence Journal
- M. A. Ganjei and R. Boostani, "A Fast Hybrid Feature Selection Method," 2019 9th IEEE International Conference on Computer and Knowledge Engineering (ICCKE), Mashhad, Iran, 2019, pp. 6-11
- K. Shirini, N. R. Zamir, M. A. Ganjei, and M. R. Feizi-Derakhshi, "Improving Gender Recognition Using Fingerprint with SVM, KNN, and Decision Tree," 3rd National Conference on Computer, information technology and applications of artificial intelligence, Chamran University, Ahvaz, Iran, 2020

Research Interests

Machine Learning, Image Processing, Data Science, Deep Learning, Feature Selection, Bioinformatics, Reinforcement Learning, Natural language processing

Skills

Artificial Intelligence (Machine Learning, Data Science, Image Processing, Bioinformatics, Deep Learning, Data Visualization, Data Pre-processing, Research, Optimization, Numpy, Pandas, Matplotlib, Scikit Learn, Jupyter, Pycharm, NLP, Keras, PySpark, Weka)

Programming (Python, Matlab, Java, SQL, C, C++, OOP)

Other (Algorithm Design, Data Structures, Mathematics, Statistics, Graph, Eclipse, Web Scraping, Microsoft Office, Latex, Photoshop cs, Google Earth)

Honors and Awards

2018 **Ranked 3rd place among all M.Sc. students of Artificial Intelligence at Shiraz University**

2014 **Ranked 3rd place among all B.S. students of Computer Engineering at Shiraz University until the end of 6th semester**

2008 **Ranked 1st in the provincial research and study competitions**

Ranked Top 1% in both undergraduate and graduate nationwide university entrance exams among over 400,000 participants

Languages

Persian (Mother tongue) | **English** (B2)

References

Dr. Reza Boostani, *Associative Professor*, Shiraz University (School of Electrical and Computer Engineering)
boostani@shirazu.ac.ir