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 & Probabities, Data Structures, Robotics, Theory of Lang. & Automata, Advanced Programming, Design & Analysis of Algorithms, Operations Research, Signals & Systems, Computer Networks, Data Comunications, 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 Iran	**Computer Engineer (Internship),** *Iran National Standards Organization*
	• 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-Scraber-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, Engineering Applications of Artificial Intelligence, Volume 113, doi.org/10.1016/j.engappai.2022.104894
- 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