



Mohammad Ahmadi Ganjei

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🖱 webpage 🌐 github in linkedin

📄 About me: I analyze data and develop intelligent algorithms and models capable of learning and interpreting data to predict events and trends. I have in-depth knowledge of data science, optimization, programming languages, mathematics and the development of machine learning algorithms.

🎓 Education

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|-------------------|--|
| 2016/09 – 2019/09 | MASTER OF SCIENCE, Artificial Intelligence & Robotics, Shiraz University 🔗 <ul style="list-style-type: none">• 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 | BACHELOR OF SCIENCE, Computer Engineering, Shiraz University 🔗 <ul style="list-style-type: none">• 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

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| 2019/12 – 2021/12 | Data Scientist, Ministry of Information Technology 🔗 <ul style="list-style-type: none">• Responsibilities: Building predictive models, Data Visualisation, Organising data into usable formats, Collecting Data, Data Analysis, Programming (Python, Java), Preparing reports for executive and project teams |
| 2020/09 – 2021/02 | University Lecturer, Yasouj University 🔗 <ul style="list-style-type: none">• Course: The Design and Analysis of Algorithms |
| 2017/12 – 2019/12 | Data Scientist, ZEICO Company <ul style="list-style-type: none">• Responsibilities: Identifying relevant data sources for business needs, Collecting data, Processing, cleansing & verifying of data |
| 2013/09 – 2019/02 | Teacher Assistant, Shiraz University (CSE & IT Dept) 🔗 <ul style="list-style-type: none">• Courses: Advanced Statistical Pattern Recognition, Artificial Intelligence, The Fundamentals of Programming, Microprocessors |
| 2016/11 – 2017/11 | Machine Learning Researcher,
<i>Machine Vision Lab of Shiraz University (CSE & IT Dept)</i> 🔗 <ul style="list-style-type: none">• Responsibilities: 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
- Responsibilities: 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*
- Responsibilities: Creating various types of hardware and software like routers, circuit boards or computer programs

Projects

- 2017 – 2021 **Design and implementation of three new feature selection algorithms for high-dimensional data optimization and the Implementation of tens Hybrid, Wrapper, and filter Feature Selection Algorithms**
- 2017 **Propose and accomplishment an Automatic Clothing Recognition and Product Suggestions (Fashion Recommender System) for websites or clothing shopping**
- 2021 **Developing two online forecasting software with statistical and machine learning algorithms for stock market data**
- 2022 **Generating an online software for Putting Eye-wear on a Person's Face on a shopping website**
- 2018 **Making a model for the Sberbank Housing Market prediction competition hosted on Kaggle**
- 2020 **Design and implementation of android software for Ministry of ICT**
- 2019 **Build online software to extract and check website information**

Publications

Papers:

- M.A.Ganjei, R.Boostani, (2022). "A Hybrid Feature Selection Scheme for High-Dimensional Data." Engineering Applications of Artificial Intelligence. Volume 113,2022, 104894, <https://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, <https://ieeexplore.ieee.org/document/8964884>
- 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

Book:

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

Research Interests

Data Science, Machine Learning, Optimization, Recommender Systems, Natural language processing, Image Processing, Deep Learning, Feature Selection, Bioinformatics, Reinforcement Learning, High-Dimensional Data

Skills

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

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

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

Languages

English | Persian

Honors and Awards

2019	Ranked 3rd place among all M.Sc. students of Artificial Intelligence at Shiraz University
2015	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

References

Dr. Reza Boostani, *Associative Professor*, Shiraz University (School of Electrical and Computer Engineering)
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Dr. Mohammad Taheri, *Assistant Professor*, Shiraz University (School of Electrical and Computer Engineering)
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