Mohammad Ahmadi Ganjei

Iran ahmadi.ganjei@gmail.com +98-937-791-0414

webpage 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 & Probabitities, 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, *ICT Company*

- Responsibilities: 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*

- Responsibilities: 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)

- 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*
Iran
- Responsibilities: Creating various types of hardware and software like routers, circuit boards or computer programs

Projects

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

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

2018 **Making a model for the Sberbank Housing Market prediction competition hosted on Kaggle**
https://github.com/MohammadAhmadig/Kaggle-Sber-Bank

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, 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

Research Interests

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

Skills

Artificial Intelligence (Machine Learning, Data Science, Image Processing, Bioinformatics, Deep Learning, High-Dimensional Data, Data Visualization, Data Pre-processing, Research, Optimization, 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, Graph, Eclipse, Web Scraping, Microsoft Office, Latex, Photoshop cs, Google Earth)

Languages

Persian | English

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