

# Ali Moayed Azarpour

## Research Assistant



Famagusta, Cyprus

Phone: +90 533 877 49 76

Email: [ali.moayed@gmail.com](mailto:ali.moayed@gmail.com)

LinkedIn: [linkedin.com/in/ali-moayed](https://www.linkedin.com/in/ali-moayed)

Github: [github.com/alimoayed](https://github.com/alimoayed)

Medium: [medium.com/@ali.moayed](https://medium.com/@ali.moayed)

A research assistant with a research interest in AI and ML and over 7 years of academic experience in teaching and research. Highly proficient in Statistics, AI, ML, NN, and NLP. Skilled in programming languages like Python and utilizing relevant libraries. Completed over 10 classification, categorization, and research projects with 2 published papers and 2 written theses. Committed to teaching, researching, and learning new topics. An out-of-the-box thinker and curious to face new challenges.

## SKILLS

- Data Science
- Clustering models
- Data Visualization
- Python
- Machine Learning
- Classification models
- k-NN
- Numpy / Pandas
- Neural Network
- Data Analysis
- XGBoost
- TensorFlow
- Evolutionary Algorithms
- Neural Network (NN)
- SVM model
- Scikit-learn
- Statistics
- Databases
- LDA Model
- Matplotlib

## WORK EXPERIENCE

### Research Assistant

Eastern Mediterranean University (EMU), Famagusta, Cyprus

Sep 2017 - Present

- Led instruction of various courses including Fundamentals of Programming (Python), Database Management Systems (SQL), Operating Systems, Digital Logic Desing, and Mobile Application Development (Android)
- Served as the advisor and mentor of +100 students in the 2022-23 academic year.
- Researched the effect of feature selection techniques over evolutionary algorithm in topic modeling and achieved over 80% performance in F-score and 20% improvement in the code performance.
- Deployed an Emotion Detection model on Tweets, applying SVM models and improving performance by 10% (Thesis).
- Implemented feature selection and SVM models to study the interactions of proteins with a 4% improvement in performance.
- Studied machine learning models for predicting blood sugar severity and increased performance scores by 2-3%.

### Statistician, Programmer

Several Companies (contracts and freelancing)

Feb 2017 - Dec 2020

- Preparing over 10 Statistical projects by performing statistical analyses and providing model optimization consulting services.

### Statistician, Data Analyst

NaghshClick Information Processing Co., Tehran, Iran

Dec 2013 - Jun 2016

A data science company leveraging statistical modeling and data mining to derive insights from national data.

- Prepared, cleaned, and analyzed over (10) million national records from Iran's National Statistical Center to derive insights.
- Designed and compiled datasets of provincial records from all 31 provinces into the National Social Observation Center's database spanning 2009-2014, increasing job efficiency by 50% through writing VBA macros.
- Refined and analyzed data through time-series descriptive, predictive, and prescriptive statistical techniques.
- Directed a team of 5 members to prepare over 100 yearly forecasting statistical reports from provincial records collected by the Statistical Center of Iran.
- Led and performed exploratory analysis on large-scale social data, building forecasting models with over 80% accuracy.

## EDUCATION

Master of Science in Computer Engineering, Eastern Mediterranean University, Cyprus. (CGPA 4.00)

Jul 2019

Master of Science in Socioeconomic Statistics, Allameh Tabataba'i University, Iran. (CGPA 3.20)

Dec 2015

Bachelor of Science in Statistics, Allameh Tabataba'i University, Iran. (CGPA 3.43)

Jul 2013

## CERTIFICATES

- Big Data Analytics with Hadoop and Apache Spark, LinkedIn Cert.
- Amazon Web Services Machine Learning Essential Training, LinkedIn Cert.
- Applied Plotting, Charting, and Data Representation in Python
- Building Web Application with PHP
- Introduction to Data Science, University of Michigan

Verify at: [bit.ly/my\\_certificates\\_datascience](https://bit.ly/my_certificates_datascience)

Sep 2023

Sep 2023

Aug 2020

Jul 2020

Jun 2020



## PUBLICATIONS AND PROJECTS

Check them at: [bit.ly/publications\\_projects](https://bit.ly/publications_projects)

- Als Impact on Learning: A Review  
*Research - Eastern Mediterranean University, Cyprus.*  
<http://dx.doi.org/10.13140/RG.2.2.36641.17765>  
Dec 2023
- Prediction of Time Series Data Using Non-Time Series Regression Models  
*A project for the Data Science course - TED University, Turkey.*  
Jun 2020
- Automatic Emotion Detection Using Twitter Data  
*Master's Dissertation, Eastern Mediterranean University, Cyprus.*  
*Codes are available online in my GitHub account.*  
Jun 2019
- Multi-Stage Stochastic Model in Portfolio Selection Problem  
*Published by Faculty of Sciences and Mathematics, University of Nis, Serbia.*  
<https://doi.org/10.2298/FIL1803991B>  
Jul 2017
- Portfolio Optimization by Mean-Value at Risk Framework  
*Published by Applied Mathematics and Information Science, USA.*  
<http://dx.doi.org/10.18576/amis/100535>  
Sep 2016
- Portfolio Performance Evaluation by Using Estimation of Non-Parametric Frontier  
*Master's Dissertation, Allameh Tabataba'i University, Iran*  
Dec 2015
- Geometrical Compare of Portfolio Optimization Models  
*Accepted Abstract, 10<sup>th</sup> Triennial Conference of the Association of Asia-Pacific Operational Research Societies (APORS 2015)*  
Jun 2015



## REWARDS

- Research Fund, Eastern Mediterranean University  
Sep 2020 - Dec 2023
- Full funded Scholarship - Master's in Computer Engineering, Eastern Mediterranean University  
Feb 2017 - Jul 2019
- Full funded Scholarship - Master's in Socioeconomic, Allameh Tabataba'i University  
Sep 2013 - Dec 2015
- Merit Student - Bachelor of Science in Statistics, Allameh Tabataba'i University  
Jul 2013

## LANGUAGES

English (C1 - Professional) | Persian (C2 - Native) | Turkish (C1 - Professional) | Germany (B1 - Basic)

## REFERENCES

- Prof. Dr. Ekrem Varoğlu  
*Computer Engineering Department, Eastern Mediterranean University*  
*Email: ekrem.varoglu@emu.edu.tr*  
*Phone: +90 392 630 2183*  
*Relationship: Master's thesis supervisor and instructor for two graduate-level courses.*
- Prof. Dr. Marifi Güler  
*Computer Engineering Department, Eastern Mediterranean University*  
*Email: marifi.guler@emu.edu.tr*  
*Phone: +90 392 630 1120*  
*Relationship: Advisor and instructor for a graduate-level course*
- Prof. Dr. Önsen Toygar  
*Computer Engineering Department, Eastern Mediterranean University*  
*Email: onsen.toygar@emu.edu.tr*  
*Phone: +90 392 630 2848*  
*Relationship: Advisor and instructor for three graduate-level courses.*
- Assist. Prof. Dr. Shokoofeh Banihashemi  
*Faculty of Statistics, Mathematics, and Computer, Allameh Tabataba'i University*  
*Email: shbanihashemi@atu.ac.ir*  
*Relationship: Master's thesis supervisor and instructor for a graduate-level course*