

Atieh Barati Nia

Email: atiehbaratinia@gmail.com | **GitLab:** Atieh.Baratinia | **Github:** AtiehBaratinia | Tehran, Iran

EDUCATION

Bachelor of Science in Computer Engineering

Sep 2017 - Apr 2022

Amirkabir University of Technology, Tehran, Iran

GPA:

17.89 out of 20 (WES: 3.80 out of 4)

Final Project:

Freight Transportation Analysis System in the Central Area of Tehran (19.3 out of 20)

Supervisor: Dr. Safabakhsh

Selected Courses Related to Artificial Intelligence:

Algorithm Design, Principles of Computational Intelligence, Principles & Applications of Artificial Intelligence, Data Mining, Information Retrieval, Introduction to Bioinformatics, Signal & Systems

High School Diploma in Mathematics & Physics

Sep 2013 - June 2017

National Organization for Development of Exceptional Talents - Farzanegan 7, Tehran, Iran

GPA: 19.30 out of 20 (WES: 4 out of 4)

RESEARCH INTERESTS

Machine Learning, Algorithms, Data Science, Data Mining, Natural Language Processing, Information Retrieval

PUBLICATIONS

Bourbour, S., Khanali, K., **Barati Nia, A. (Corresponding Author)**, Najafi, A., Motahari, SY, “*Modeling a Functional Form of Fundamental Diagram by Automated License Plate Readers Data: A Case Study in Tehran*” in Journal of Transportation Engineering, Part A: Systems, Accepted on Aug 3, 2022.

WORK EXPERIENCE

Data Analyst

June 2020 - Jan 2022

Tehran Center for Urban Statistics and Observatory, Tehran, Iran

- Did some data analysis and created a report out of it
- Implemented a database of particular urban locations
- Wrote some Python programs
- Built multiple dashboards with QlikView

Android Developer - Intern

Dec 2019 - May 2020

RNS Team, Tehran, Iran

- Designed and developed some UI/UX features for a symptom checker Android application using Java (currently available at [Cafebazzar](#))

SKILLS

Programming Languages: Python3, Java, Golang, C, and R

BI softwares: QlikView

Mobile App Development: Android (Java)

Database Systems: Microsoft SQL Server, MySQL, PostgreSQL, and MongoDB

Web Development: HTML, CSS, JavaScript

Tools: Git

Operating Systems: Windows, Linux

LANGUAGES & EXAMS

English: TOEFL iBT: 103 (R28, L28, S24, W23)
GRE General: 321 (Q: 168, V: 153, AW: 3.5)

July 2022

Sep 2022

Persian: Native Speaker

TEACHING EXPERIENCES

Teaching Assistant

Spring 2021

Amirkabir University of Technology, Department of Computer Engineering

Course Title: Algorithm Design (Dr. Bagheri)

- Helped with the examination of homework
- Gave oral exams

Teaching Assistant

Spring 2020

Amirkabir University of Technology, Department of Computer Engineering

Course Title: Algorithm Design (Dr. Bourbour)

- Responsible for the examination of projects

Teaching Assistant

Fall 2019

Amirkabir University of Technology, Department of Computer Engineering

Course Title: Electrical and Electronic Circuits (Dr. Momtazpour)

- Helped with the examination of homework and quizzes

ACHIEVEMENTS

Ranked 593rd Place Among All Applicants in the Nationwide University

Summer 2017

Entrance Exam in Mathematics and Physics fields for B.Sc. Degree (nearly 150,000 applicants)

Second Place in Debate Challenging at Amirkabir University of Technology

Spring 2018

Admitted in the First Stage of National Competition to Select National Informatics Olympiad Team for High School Student's Olympiad in Iran

Feb 2016

Admitted in the First Stage of National Competition to Select National Informatics Olympiad Team for High School Student's Olympiad in Iran

Feb 2015

Admitted in the First Stage of Allameh Helli School Programming Team Competitions

Spring 2014

Admitted in the Entrance Exam of the High School of National Organization for Development of Exceptional Talents

Summer 2013

OTHER ACHIEVEMENTS

First Place in Book Reading at the Province Level	April 2014
Third Place in Ping-pong with High School Team in the Regional Level	Nov 2015
Third Place in Ping-pong with High School Team in the Regional Level	Nov 2014

REFERENCES

Reza Safabakhsh, Professor

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Sara Bourbour, Assistant Professor

IT Engineering Department, School of Industrial and Systems Engineering, Tarbiat Modares University, Tehran, Iran
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Mahmoud Momtazpour, Assistant Professor

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Alireza Bagheri, Associate Professor

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More references are available upon request.