# Mahdi **Niknejad**

*Tehranpars, Tehran, Iran*

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## **Res**earch Interests

- Machine Learning
- Social Network Data Analysis
- Natural Language Processing

## **Per**sonal Information

- **Age**: 23
- **Sex**: Male
- **Marital Status**: Single
- **Military Experience**: Educational Exemption

## **Edu**cation

**Amirkabir University of Technology**                                                                *Tehran, Iran*

B.Sc in Department of Computer Engineering                                                  *Jan. 2018 - **Present***

- GPA: **16.2**/20.0

**Allameh Helli High School (NODET)**                                                        *Tehran, Iran*

Diploma in Mathematics and Physics                                                          *Sep. 2012 - Jun. 2016*

- GPA: **19.3**/20.2

## **Hon**ors & Awards

**Physics Olympiad**

Student Olympiad - Young Scholars Club                                                              *May. 2013*

- Acceptance in the first entrance stage

**National Organization for Development of Exceptional Talents (NODET)**

Mizan Competition                                                                                      *Feb. 2011*

- Achieved **2nd** place among all NODET students around Iran

**Ministry of Education**

Black & White Painting Contest                                                                       *2010 - 2012*

- Achieved **1st** place among all students in Tehran province for 3 continuous years

## **Tea**ching experiences

**Teaching Assistant, Applied Linear Algebra**

Under the supervision of Prof. N.Shojaei                                                        *Feb. 2020 - Jul. 2020*

**Teaching Assistant, Design Algorithms**

Under the supervision of Prof. H.Hoorfar                                                        *Feb. 2021 - **Present***

# Work experiences

**Frontend Developer** *Tehran, Iran*

IRAN'S NATIONAL ELITES FOUNDATION *Dec. 2020 - **Present***

- HTML
- CSS
- JAVASCRIPT
- REACT JS
- GIT

**JavaEE Software Engineer Internship** *Tehran, Iran*

AVAN SOFTWARE TECHNOLOGY ADVISORS (ASTA) *Aug. 2020 - Nov. 2020*

- JAVA EE
- SPRING
- JAX-RS
- HIBERNATE
- GIT

# Top Academic Course Scores

**Algorithm Design**, GPA: 17.25/20.0 *Fall 2021*
**Data Structures and Algorithms**, GPA: 19.8/20.0 *Spring 2020*
**Logic Circuits**, GPA: 16.3/20.0 *Spring 2019*
**Electrical and Electronic Circuits**, GPA: 16.0/20.0 *Spring 2019*
**Differential Equations**, GPA: 20.0/20.0 *Fall 2019*
**Discrete Mathematics**, GPA: 18.0/20.0 *Fall 2019*
**Technical English**, GPA: 16.25/20.00 *Fall 2019*
**General Physics II**, GPA: 19.5/20.0 *Spring 2018*
**General Mathematics II**, GPA: 16.3/20.0 *Spring 2018*
**General Physics I**, GPA: 16.0/20.0 *Fall 2018*
**General Mathematics I**, GPA: 17.75/20.00 *Fall 2018*

# Top Academic Course Projects

**Logic Circuits**, Traffic light controller
**Software Engineering I**, Restaurant management system
**Principles of Computational Intelligence**, Neural Network, Fuzzy, Evolutionary
**Principles of Database Design**, Library management system
**Advanced Programming**, Implement JFileManager & Super Mario Game
**Principles of Compiler Design**, Implement Lexer & Parser
**Data Structures and Algorithms**, Some Implementation questions about Stack & Disjoint set data structures
**Principles and Applications of Artificial Intelligence**, Implement a problem using BFS, IDS and A* algorithms
**Microprocessor and Assembly Language**, Implement safe box
**Web Programming**, Design website with HTML, CSS, REACT JS
**Operating Systems**, Working with xv6 operating system

# Online courses

**NLP with Deep Learning**

By Prof. C. Manning - Stanford CS224N                                              *Apr. 2021*

**Machine Learning**

By Prof. Andrew Ng - coursera                                                      *May. 2020*

**Machine Learning**

By Prof. N.Razavi - youtube                                                        *Apr. 2020*

# Other Activities

**Amirkabir Student Festival**                                                     *Tehran, Iran*

Staff Member of the First Amirkabir Student Festival                               *Jul. 2019 - Aug. 2019*

# Technical Skills

**Programming Languages**,  C , C++, Java, Python, Bash scripting, Haskell
**Web Development**,  HTML, CSS, Javascript, ReactJS, VueJS
**Operating Systems**,  Linux(Ubuntu), Windows
**Database Systems**,  MySQL
**Miscellaneous**,  UML, GNS3, Boson NetSim, Cisco Packet Trace, Verilog, Orcad Pspice, Proteus

# Languages

**Persian**,  Native
**English**,  Fluent

# References

**Prof. B.Bakhshi**

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**Prof. S.Momtazi**

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**Prof. A.Heydarnoori**

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