

# Mohammad Roghani

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*"Simplicity is the final achievement" - Frederic Chopin*

## Research Interests

- Algorithms Design & Theoretical Computer Science.
- Machine Learning & Artificial Intelligence.
- Expert Systems.
- Informatics.

## Education

- 2019 – **B.S. in Applied Mathematics**,  
Ongoing *Isfahan University of Technology, Isfahan, Iran.*  
GPA – 19.06/20
- 2018 – **B.S. in Computer Engineering**,  
Ongoing *Isfahan University of Technology, Isfahan, Iran.*  
GPA – 19.06/20
- 2011 – 2018 **Diploma in Physics and Mathematics Discipline**,  
*National Organization for Development of Exceptional Talents (NODET), Isfahan, Iran.*

## Work Experience

- May 2020 – **Front-end Developer**.  
Ongoing ○ **Angular Front-end Developer**  
*Shafigh Industrial & Commercial Group.*
- Feb 2020 – **Teaching Assistant**.  
Ongoing ○ **Discrete Mathematics**  
*Isfahan University of Technology.*
- Oct 2019 – **Head of ICPC Student Chapter**,  
Ongoing *Isfahan University of Technology.*
- Jun 2019 – **Computer Olympiad Teaching**,  
Ongoing *Isfahan, Iran.*  
○ Teaching in NODET Olympiad in Informatics Program.  
○ Teaching in NODET programming & Algorithm Program.

## Honors & Awards

- Dec 2019 **ICPC West Asia Regional Contest**,  
*Sharif University of Technology, Tehran, Iran.*  
○ Ranked **14th** among 620 teams.
- Jun 2019 **Industrial Engineering Challenge**,  
*Sharif University of Technology, Tehran, Iran.*  
○ Ranked **2nd** among 70 teams.
- Apr 2017 **RoboCup Iran Open 2017 International Competitions**,  
*Tehran, Iran.*  
○ Ranked **6th** among 80 teams in Junior Soccer Open League.
- Nov 2015 **Isfahan Mobile Startup Weekend**,  
*Tehran, Iran.*  
○ Ranked **1st** among 20 teams.

## Skills

|                               |   |
|-------------------------------|---|
| <b>Languages</b>              | Python, Typescript, CSS, SCSS, HTML, C, C++ , R   |
| <b>Frameworks</b>             | Angular(Fluent in SPA Development), Django, Keras (Fluent in Classification Applications) |
| <b>Mathematical computing</b> | Matlab, Octave  |
| <b>Utilities</b>              | Anaconda, Git, Vim, Jupyter Notebook  |
| <b>Operating Systems</b>      | Linux ( <b>LPIC-1</b> Certified), Windows   |

## Related Coursework

- C Programming (20/20)
- Discrete Mathematics (20/20)
- Digital System Design (20/20)
- Statistics & Probability (19.02/20)
- Engineering Mathematics (19/20)
- General English (20/20)
- Machine Learning (Audited)
- Fundamentals of Reinforcement Learning (Audited)

## Notable Projects

- May 2020 – Ongoing
  - Develop Customer Portal Website Using Angular and Other Web Design Technologies for **Shafigh Industrial & Commercial Group**.
- Feb 2015 – May 2015
  - Develop & Maintain Financial Transaction Manager Software Foundation for **Shafigh Industrial & Commercial Group**.