Roozbeh Hajizadeh

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Date of Birth: 10 August-2003

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Education

Shiraz University of Technology, B.Sc. in Computer Engineering   Sep 2021 – Sep 2025

Project Title: Multi-Stage Approach for Hierarchical Intrusion Detection

Supervisor: Dr. Reza Javidan

- GPA: 3.6
- **Coursework:**

o Artificial Intelligence 18.7/20	o Data Structures & Algorithms 19/20
o Principles of Computational Intelligence 19.25/20	o Advanced Programming 16.09/20

Research Interests

• Artificial Intelligence	• Machine Learning	• Trustworthy AI	• Anomaly Detection
• Robust AI	• NLP		

Experience

Teaching Assistant, Shiraz University of Technology   Jan 2024 – Sep 2025

Principles of Computational Intelligence , Data Structures & Algorithms, Advance Programming, Computer Networks, Microprocessor & Assembly Language, Principles of IT Strategic Management & Planning, Computer Aided Digital Systems Design

Web Development Intern, Back-End Developer, Ariyaserver – Shiraz   Jul 2024 – Oct 2024

I worked in a collaborative team environment, gained experience in Laravel and Back-End development also strengthening teamwork & problem-solving skills.

Member of Scientific IT Association of Shiraz University of Technology   Sep 2023– Jun 2025

I contributed as a question designer for academic competitions (Fast Typing), organized technical visits, served as a deputy executive secretary (Scavenger Hunt 2), enhancing leadership & teamwork skills.

Projects

Multi-Stage Approach for Hierarchical Intrusion Detection   Jan 2025-Sep 2025

I implemented an intrusion detection system using Auto Encoder, GAN, and multiple ML models (RF, DT, KNN, MLP) for better anomaly detection on CIC-IDS2017 dataset.

Mentoro   Oct 2024- Jan 2025

 Back-End developer for *Mentoro* — a Laravel-based web platform for reserving educational consultation sessions for students, using Laravel, REST APIs and MYSQL in an Agile team.

Mikrotik Dashboard   Aug 2024-Oct 2024

 I implemented a Laravel-based web application connecting to Mikrotik routers to execute and monitor network commands (ping, traceroute, bandwidth test), developed as a back-end developer.

Skills

Programming Languages: Python, Java, PHP, C#, Java Script, SQL

Artificial Intelligence: Machine Learning, Deep Learning

Tools: Microsoft SQL Server, MySQL, Git, Apache Nifi, Microsoft Office

Web Development: Laravel, Django, API, HTML, CSS

Languages

Persian (Native)
English (Professional)

English Proficiency (IELTS Academic)

Total Score: 7

Listening:7.5   **Reading:6.5**   **Wrting:6.5**   **Speaking:6.5**

Interests

Swimming, Cinema, Soccer, Music

References

Dr. P. Bazmi (PhD, University of Tehran), Assistant Professor, School of Computer Engineering, Shiraz University of Technology, Iran
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Dr. R. Javidan (PhD, Shiraz University), Professor, School of Computer Engineering, Shiraz University of Technology, Iran
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Dr. R. Khayami (PhD, Shiraz University), Associate Professor, School of Computer Engineering, Shiraz University of Technology, Iran
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