Mehrnoush Alizade
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Objective:

Aspiring researcher with a strong foundation in Computer Science, seeking a Ph.D. position in Machine Learning, Bioinformatics, Deep Learning, Image Processing, and Computer Vision. Committed to advancing the field through innovative research, I am eager to collaborate with leading experts, contribute to groundbreaking projects, and expand my expertise in these dynamic areas of study.

Education:

Ph.D. of Science in Computer Science, Worcester Polytechnic Institute   (Aug 2022 - Present)
Master of Science in Decision Science and Knowledge Engineering, Karazami University, Tehran,   (Sep 2011 – Sep 2014)
Bachelor of Science in Computer Science, Amirkabir University of Technology, Tehran , Iran
                                                                                       (Sep 2003 - Sep 2007)

Skills:

Languages: JavaScript, Python, PHP, C, HTML5, CSS3, Sass, JAVA, Matlab, Kotlin
Frameworks: Express.JS, Node.js, React.js, Ant Design
Database: MySQL, Oracle PLSQL, SQL-lite, PostgreSQL, Google Firebase
Tools: Git, Latex
Communication: Fluent in French and English

Technical Experience:
- Graduate Teaching Assistant, Worcester Polytechnic Institute   (Aug 2022 - Present)

  • Support instructor with test administration, and curriculum development.
  • Provide personalized educational, behavioral, and emotional support to students.
  • Arrange weekly problem-solving sessions and grade undergraduate assignments.

- Software Engineer, Tyam Company Ltd., Iran.   (Dec 2014 - Feb 2022)

  • Supervised and mentored team members.
  • Collaborated with management on software requirements.
  • Designed and developed REST APIs and contributed to CRM systems.
  • Worked closely with data engineers and analysts for software improvements.

- Information Technology Support Specialist, Coomeh Ltd., Iran.   (May 2008 - Apr 2011)
  • Diagnosed and resolved hardware and software issues.

- Monitored IT systems and implemented backup and recovery solutions.

Selected Projects:

Development of various applications and systems using React.js, Python, AWS, MySQL, JavaScript, Kotlin, Oracle PLSQL, PostgreSQL:

- Game development, sentiment analysis projects,
- Online shopping web application,
- Web-based CRM system,
- Mobile Application development with Kotlin Language "*Smart Parking Finder*".

Research Work:

- "A Comparative Study of Clustering Methods for Nanoindentation Mapping Data" (*Paper under review since Oct 2023*)
- Computed Tomography analysis For Additive Manufactured Alloy
- Text Classification and Cyberbullying Detection on social media with Machine Learning in Python.

Activities:

-Participation Certificate in PLSql/Oracle (2020).

-Web development courses on Coursera (2019).