

Ali Ahmadi

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Summary

- A highly motivated student with a strong background in computer engineering, resulting in being awarded a full scholarship for a bachelor's degree and a brilliant talent scholarship to pursue a master's degree.
- Teaching and leadership development include being a teacher assistant for Discrete Mathematics, Computer-aided Design, and Digital Circuits.
- Responsibility resulted in published papers, completing a thesis on MIR and audio processing, and graduating 5th in class with a 3.82 GPA for the bachelor's degree and a 3.63 GPA for the master's degree.

Education

M.Sc. Software Engineering, Guilan University 2022 - 2024

Thesis title: *“Retrieving music information for Persian music with a deep learning-based approach”* GPA: 3.44 (17.22 out of 20)

B.Sc. Computer Engineering, Guilan University 2018- 2022

GPA: 3.73 (18.67 out of 20)

Research Interests

- Machine learning
- Time series data
- Speech recognition
- Deep learning
- Audio processing
- NLP

Teaching Experience

University of Guilan, Rasht

Feb 2021 - Jul 2021

Teaching Assistant/Computer-aided design, Computer department

- Helped teach a computer-aided design course, lectured, and managed grades.
- Presented content to 90 students, graded assignments, and provided support and guidance to students throughout the course.

University of Guilan, Rasht

Sep 2020 - Jan 2021

Teaching Assistant/Digital circuits, Computer department

- Assisted in teaching an online digital circuits course during the COVID-19 pandemic, delivering virtual lectures, and managing grades.
- Conducted online sessions for 80 students, evaluated digital assignments, and provided virtual support

University of Guilan, Rasht

Feb 2020 - Jul 2020

Teaching Assistant/ Discrete Mathematics, Computer department

- I helped teach a discrete mathematics course, edited the syllabus, gave lectures, and administered grades.
- I presented math concepts to 80 students, graded assignments, and supported students academically.

Work Experience

Front-end developer

2023 - *present*

Rayankar, Iran

- A notable achievement was keeping a big, unified communications platform running smoothly through Angular which meant improving performance and quality of user experience. With the adoption of in-depth testing strategies, we were able to slash post-deployment issues by 40%; an effort that saw us working closely during code refactors and consequently elevating our development pace by 20%. Cooperation with other teams in efforts to enhance system efficiency and ultimately ensure customer satisfaction, also involved work on new features.

Front-end developer

2021 - 2023

Frahoush, Iran

- Created user interfaces for IoT websites, keeping in mind the loading speed optimization and user experience development. Developed responsive website and mobile application design using Bootstrap and Vue.js frameworks.

Award & Honors

- Get a complete scholarship for the bachelor's degree.
- Taking fifth place among 60 students entering the computer engineering class.
- Receive a brilliant talent scholarship to enter the master's degree without an exam.

Publication

Papers:

1. "Ensemble of Contrastive Models for Instrument Classification in Classical Persian Music Using a Comprehensive Dataset"
It is under review

Language proficiency tests

IELTS (Academic): 7.5 (overall score)

Listening: 8.5, Writing: 6.5

Speaking: 7, Reading: 8.5

Test date: 08/31/2024

Special Skills

- Python
- TensorFlow
- Keras
- Angular JS
- Typescript
- Audio processing

Hobbies

Sports (body building), Music (Playing guitar), Movies

References

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