Sina Alinejad

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Education

IUST University (among the top 4 universities in Iran)   Tehran, Iran
B.Sc. in Computer Science at Iran University of Science & Technology   2020 - 2024

  – GPA of the Last Two Years: 3.87/4.0 (19.19/20.0 in Iranian Scale)
  – Overall GPA: 3.76/4.0 (18.63/20.0 in Iranian Scale)
  – Ranked Among Top 8% GPA in my class
  – Selected Courses: Artificial Intelligence: A+, Computational Intelligence: A+, Deep Learning: A+, Signals and Systems: A+, Computer Networks: A+, NLP: A+, Logic Circuits: A, Operating Systems: B

Research Experience

NLP Researcher in NLP Laboratory   IUST University
Under supervision of Dr. Sauleh Eetemadi   Sep 2022 - present

  – Studied about Explainable AI
  – Working on Medical Report Generation
  – Academic papers: Numeral Prediction using GPT3.5

Projects

Projma: A Trello-like project   IUST University
Software Engineering Course Project - GitHub   Winter 2023

  – The application was developed with Scrum Methodology.
  – Frontend is Implemented with ReactJS. GitHub
  – Backend is Implemented with Django. GitHub

Solar Panel Detection using U-Net architecture   IUST University
Computer Vision Course Project - GitHub   Winter 2023

Implementing Multi-Layer Perceptron from Scratch   IUST University
Computational Intelligence Course Project - GitHub   Fall 2023

Medical Advisor using RAG architecture   IUST University
Natural Language Processing Course Project - GitHub   Winter 2024

Berkeley's Pac-Man AI Game Project   IUST University
Artificial Intelligence Course Project - GitHub   Fall 2022

Saffron Edge Detection   IUST University
Natural Language Processing Course Project - GitHub   Winter 2023

CamScanner Program   IUST University
Computer Vision Course Project - GitHub   Winter 2023

NQueens using Hill-Climbing   IUST University
Artificial Intelligence Course Project - GitHub   Fall 2022

Teaching Assistance

Software Engineering   IUST University
Course Instructor: Prof. Behrooz Minaei Bidgoli   Fall 2023

- The class was divided into teams to conduct their projects using a Scrum Master Methodology.
- I was Technical Supervisor of two teams and helped them with problems they faced.
- Answering theoretical and coding questions in private sessions.

Artificial Intelligence   IUST University
Course Instructor: Prof. MohammadReza Mohammadi   Fall 2023

- Designing, coordinating, and grading assignments.
- Answering theoretical and coding questions in private sessions.

Theory of Languages and Automata   IUST University
Course Instructor: Prof. Reza Entezari Maleki   Winter 2023

- Conducting weekly sessions to teach the course material and solve extra questions.
- Conducting weekly quiz sessions for students.
- Designing, coordinating, and grading assignments and final projects.
- Answering theoretical and coding questions in private sessions.

Operating Systems   IUST University
Course Instructor: Prof. Reza Entezari Maleki   Fall 2023

- Designing, coordinating, and grading assignments.
- Grading final exams.
- A database of projects and assignments was collected by Head TA - [GitHub](#).

Logic Circuits   IUST University
Course Instructor: Prof. Amir Mahdi Hosseini Monazzah   Fall 2023

- Designing, coordinating, and grading assignments.
- Grading final exams.

Discrete Mathematics   IUST University
Course Instructor: Prof. Vesal Hakami   Winter 2023

- Designing, coordinating, and grading assignments and final projects.
- Answering theoretical and coding questions in private sessions.
- Conducting weekly sessions to teach the course material and solve extra questions.

Data Structures   IUST University
Course Instructor: Prof. Hossein Rahmani   Fall 2022

- Designing, coordinating, and grading assignments and final projects.
- Answering theoretical and coding questions in private sessions.
- Grading final exams.

Honors & Certificates

Among top 8% in My Class in GPA(last two years:3.87/4, 3.76/4 overall)   Sep 2018 - present
School of Computer Science, IUST

- Class of 100 students

Ranked Within the Top 0.5% in Iranian University Entrance Exam   August 2020
Mathematics and Physics majors

- Ranked 659 among 155000 students

Natural Language Processing Specialization   Jun 2024

Certificate on Coursera.org

– Includes courses on Probabilistic Models, Sequence Models, and Attention Models.

Supervised Machine Learning: Regression and Classification

Certificate on Coursera.com   Jul 2023

Advanced Learning Algorithms

Certificate on Coursera.com   Jul 2023

Publications

Numeral prediction using gpt3.5   **Published**

Proceedings of the 18th International Workshop on Semantic Evaluation (SemEval-2024) (doi)   June 2024

Authors: **Sina Alinejad**, Erfan Moosavi Monazzah

Research Interests

● **Data Science**   ● **Deep Learning**   ● **Machine Learning**   ● **NLP**   ● **XAI**   ● **AI in Healthcare**

Skills

- **Programming Languages:** Python, C, C++, C#, JS
- **Libraries and Frameworks:** Pytorch, Keras, TensorFlow, Scikit-Learn, Numpy, React JS
- **Environments and Tools:** Microsoft Azure, Git, Postman, VMware

Languages

- **Persian:** Native
- **English:**
    – IELTS: **Overall: 7**, Reading: **7**, Listening: **8.5**, Speaking: **6.5**, Writing: **6**

References

Dr. Sauleh Eetemadi   Iran University of Science & Technology

Assistant Professor at Department of Computer Engineering

– Email: sauleh@iust.ac.ir

Dr. Reza Entezari Maleki   Iran University of Science & Technology

Assistant Professor at Department of Computer Engineering

– Email: entezari@iust.ac.ir

Dr. Behrooz Minaei-Bidgoli   Iran University of Science & Technology

Associate Professor at Department of Computer Engineering

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