SABA RAZI

Tehran, Iran

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EDUCATION

B.Sc. in Computer Science

Iran University of Science and Technology

2020 - present
GPA : 3.78/4 (17.85/20)

- **Related Courses:** Artificial Intelligence **(17.74/20)**, Natural Language Processing **(15/20)**, Computer Vision **(17.1/20)**, Graph Theory and Algorithms **(19.75/20),** Fundamentals of Computational Intelligence **(16.1/20)**

Diploma of Mathematics and Physics

Farzanegan 3 High School

2016 - 2020
GPA : 19.47 / 20

- Affiliated with the National Organization for Development of Exceptional Talents

ACADEMIC PROJECTS

OCR [Link]

Compuer Vision Course Project

- In this project, Cropping the Section Related to the Card, Card Type Detection, Locating the Section Containing Numbers on the Card, Determining Whether the Numbers are in Persian or English and Predicting the Numbers was developed.

NLP Genere Detection [Link]

Natural Language Processing Course Project

- Summeries about books are collected from the Goodreads website and Genre Detection from the Books abstracts Introduction was developed.

Game Agent [Link]

Computational Intelligence Course Project

- An Agent that discovers the locations of randomly placed balls and holes and match each ball with a hole. The agent starts without any knowledge of the grid and can only examine neighboring cells.

Breakout Atari Agent [Link]

Artificial Intelligence Course Project

- applied Q-learning, a fundamental reinforcement learning algorithm, for training an agent to play the classic arcade game Breakout.

G-force software [Link]

Software Engineering Course Project

- A web application for project management, allowing for effective task organization and collaboration
- Built using Django REST APIs, Docker, and CI/CD pipelines.

AppDoon [Link]

System Design and Analysis Course Project

- A website providing a comprehensive roadmap for various fields
- Developed responsive user interfaces using React and JavaScript.

EXPERIENCE

Researcher At IUST Lab
IUST
Fall 2023 - present

Supervisor: Dr.Morteza Analoui

Bachelor Thesis, School of Computer Engineering

- **Thesis Title :** AI API for Sign Language to Text & Text to Sign Language

AI engineer
Tehran, Iran
Summer 2023

Company : Pirally

- Contributed to the development of AI-based chatbot for customer services.
- And developing a program for 360-degree rendering of 3D models using Blender.

INTERESTS

- **Computer Vision**
- **Natural Language Processing**
- **Deep Learning**
- **Machine Learning**
- **3D Modelling**

ACADEMIC EXPERIENCES

Teaching Assistant

Operating System Instructor : Dr.Reza Entezari Maleki	*IUST* *Spring 2024*	
Natural Language Processing Instructor : Dr. Marzieh Davood Abadi	*IUST* *Spring 2024*	
Advanced Programming Instructor : Dr. Marzieh Davood Abadi	*IUST* *Spring 2024*	
Fundamentals of Computer Instructor : Dr. Mehrdad Ashtiani	*IUST* *Spring 2024*	
Computer Vision Instructor : Dr.Mohammad reza Mohammadi	*IUST* *Spring 2024*	
Algorithm analysis and design Instructor : Dr. Farzaneh Ghayour Baghbani	*IUST* *Spring 2023*	
System analysis and design Instructor : Dr. Mehrdad Ashtiani	*IUST* *Spring 2023*	
Competitive Programming Instructor : Dr. Marzie Maleki Majd	*IUST* *Fall 2023*	
Principles of Database Design Instructor : Dr. Hossein Rahnmani	*IUST* *Spring 2022*	
Data Structure Instructor : Dr. Hossein Rahnmani	*IUST* *Spring 2022*	

EXTRACURRICULAR ACTIVITIES

- **Vice-President of CESA, Student's Scientific Organization**

  Spring 2023 - Spring 2024

  - CESA is Student's Scientific Organization of department of Computer Engineering at Iran University of Science and Technology.

SABA RAZI

SKILLS

- **Programming:** Python, C, C++, C#, Java, JavaScript, SQL,
- **Libraries and Frameworks:** PyTorch, Keras, TensorFlow, Pandas, Scikit-learn, NumPy, LangChain, Django
- **Technologies:** Git, Docker, Postman, Azure DevOps, Jupyter Notebook
- **Interpersonal Skills:** Teamwork, Teaching, Self-Learning, Problem Solving
- **Operating Systems:** Linux (Ubuntu), Windows

HONORS AND AWARDS

- **Top student of graduating class**
  Ranked within the top 16% of B.Sc program in IUST University
  Tehran, Iran 2024

- **Top student in Iranian University Entrance Exam**
  Ranked in the Top 0.1% in Iranian University Entrance Exam among 155,000 participants
  Tehran, Iran 2020

- **Accepted in first round of Iranian Mathematics and Computer Olympiad**
  Ranked in the Top 1% in Iranian Mathematics and Computer Olympiad
  Tehran, Iran 2019

- **First place in The First Mathhome Prize Contest**
  First place in The First Mathhome Prize Contest for High School students
  Tehran, Iran 2014 - 2015

- **Third Rank Kharazmi Festival for Teenagers**
  3rd Rank in the field of Research in Kharazmi Festival for Teenagers
  Tehran, Iran 2019

- **Data Structures and Algorithms Specialization Certificate from UC San Diego.**
  Tehran, Iran Spring 2022

  - **Algorithms on Strings [Certificate]**
    Covering advanced string algorithms, pattern matching, suffix structures, and their applications in text processing and bioinformatics.
  - **Algorithms on Graphs [Certificate]**
    focusing on graph traversal, shortest paths, minimum spanning trees, and network flow algorithms.
  - **Data Structures [Certificate]**
    including in-depth study of arrays, linked lists, stacks, queues, hash tables, and trees.
  - **Algorithmic Toolbox [Certificate]**
    focusing on fundamental algorithms, divide and conquer strategies, dynamic programming, and greedy algorithms.

REFERENCES

Dr. Sauleh Eetemadi

Assistant Professor in the Department of Computer Engineering, Iran University of Science and Technology and University of Birmingham

- **Email:** s.eetemadi@bham.ac.uk

Dr. Behrooz Minaei-Bidgoli

Professor in the Department of Computer Engineering, Iran University of Science and Technology

- **Email:** b_minaei@iust.ac.ir

Dr.Morteza Analoui

Assistant Professor in the Department of Computer Engineering, Iran University of Science and Technology

- **Email:** analoui@iust.ac.ir

LANGUAGES

Persian: Native proficiency
English: Full professional proficiency
(Expected IELTS Score of 7.0, exam to be taken in the near future)