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PROFILE

As a student in CE, I have always tried to be curious and open to new techs and concepts, to continue being hardworking and pursue my ideals. I have an interest in a broad subject of computer science in general but there has been a couple of years that I am keen on Artificial Intelligence and to be specific Machine learning and its related algorithms.

Personally, I have problematic-based and systemic thinking behavior and suitable for working in groups and inner leadership characteristics.

EDUCATION

B.Sc. in Computer Engineering

Amirkabir University of Technology,

2016 - present

Diploma in Mathematics and Physics

National Organization of Development of Exceptional Talents, Tehran, Iran,

2008 - 2016

RESEARCH INTERESTS

- Statistics
- Algorithms
- Machine Learning
- economics [behavioral]

AWARDS & ACHIEVEMENTS

- Ranked 137st in the **National University Exam for B.Sc.**, among more than 160k participants, Aug 2015

WORK EXPERIENCE

ParsaSharif Institute

Position : Junior system developer

Oct '17 - Sep '18

- Customising the style of next cloud for internal use.
- Building a customize automatic build system based on jenkins and docker.
- Really not relevant to the my interests.

Hamgam IT

Position : Junior Data Scientist

Jun '18 - Dec '18

- Research about the structure of Recommender system and their usage in geographical regions.
- Working on Data anonymization based on k-anonymity and entropy based method.

Amirkabir HPC

Position : Junior Data Scientist

Jan '21 - Present

- Creating a dockerized jupyter notebook server on web using high-tech enterprise edition Nvidia GPUs.
- ...

ACADEMIC PROJECTS

BioInformatic HMM

Supervisor : Dr. Hossein Zeinali

Fall '20

- Identification of the most probable path of genetic mutations in RNA sequences.
- Using Python programming language and Biopython library.
- Implementation of basic sequence homogeneity metrics.
- Implementation of visualization for basic UPGMA, Neighbour Joining, Parsimony for Phylogenetic Trees.

Information Retrieval

Supervisor : Dr. Ahmad Nikabadi

Spring '20

- Developing a web page for showing a repository or news content and implementing basic IR metrics for accuracy.
- Implementing manually tf-idf for page ranking.
- Implementing precision recall visualization & ROC charts

COMPUTER SKILLS

Languages: Python **Familiar:** SQL, C, JAVA, js(VueJs)

Frameworks&Libraries: Numpy, scikit-learn, pandas, matplotlib

Linux: Lpic 101, Lpic 102

RELEVANT COURSES

- Statistics
- Linear Algebra
- Introduction to Artificial Intelligence
- Data Mining
- Information Retrieval
- Bioinformatics

ONLINE COURSES

Ongoing:

- Linear Algebra
Gilbert Strang [MIT OpenCourseWare]
- [Probability Theory and Application](#)
Dr. Alishahi [sharif ocw]
- [Machine Learning](#)
Andrew Ng [Coursera]

BOOKS

Ongoing

- Discrete and Combinatorial Mathematics An Applied Introduction
Ralph P. Grimaldi
- Introduction to Linear Algebra
Gilbert Strang
- A First Course in Probability
Sheldon m. Ross
- Introduction to Probability and Statistics for Engineers and Scientists
Sheldon m. Ross

- Probability Statistics for Engineers & Scientists
Ronald E. Walpole