

Mahshid Khatiri Olyaei

Curriculum Vitae

Unit 10, No.11, Alley 6.25,
6th Nirooyehavayi Street,
Piroozi Street, Tehran, Iran
+989107595472
Mahshidkhatiri@gmail.com
mahshidkhatiri

Education

Sep,2018- Feb,2022 **B.Sc. in Computer Science, Alzahra University, Tehran, Iran**

- CGPA: 18.09/20 (3.80/4), last year CGPA: 18.98/20 (4/4)
- **B.Sc. Thesis:** "Predicting and Re-ranking a movie list with Two-sided Fairness-aware Recommendation Model", under supervision of **Prof. Bitas Shams**

Research Interests

- Data Mining, Machine learning, Artificial Intelligence

Projects

- Sep,2021- Feb,2022 • **Re-ranking a predicted movie list with Spark library and Two-sided Fairness-aware recommendation Model based on "TFROM"**(<http://www.arxiv.org/abs/2104.09024>)
- May2021 • **Scraping "Truecar.com" web, collecting information in database and predicting car prices**
- Feb,2021- Jun,2021 • **Prediction of students' academic performance using algorithms such as KNN, naive bayes, OneR, Apriori and Logistic Regression**
 - Compiler development for a new customized programming language
 - Scrum based teamwork on video content creation using speech recognition
- Sep2020- Jan2021 • **Implementation of Banker's algorithm for deadlock avoidance in operating systems**
 - Simulation of a university's network systems using Cisco Packet Tracer
- Sep,2019- Jan2020 • **Solution development for minimum prison break cost problem**
 - Implementing various data structure such as Binary tree, Linked list, Heap, Stack and Queue
 - Graph traversing algorithms such as BFS, DFS, Prefix and Postfix
 - Implantation of Sorting algorithms Such as Quick sort, Selection, Merge sort and bubble sort

- Feb,2019- • **Snake game using PyGame**
Jun,2019
- **Obstacle avoidance game using PyGame**
- Sep,2018- • **ATM simulation (C, java)**
Jan,2019

Work Experiences

- Sep,2021- **Teaching assistant for operating systems**, Instructor: Prof. Payam
Jan,2022 Khanteimouri
- Sep,2021- **Teaching assistant for advanced programming**, Instructor: Prof. Bit
Jan,2022 Shams
- Jun,2019- **Technical artist and 3D designer: Varknow.ai start-up**
Feb,2020
- Jul,2019- **3D design tutor: Varknow.ai start-up**
Nov,2019

Honors and Awards

- Ranked 3rd , in cumulative GPA among more than 37 computer science students, Alzahra University September 2022.
- Received governmental scholarship based on National university entrance exam
- Received governmental leading high school fellowship

Skills

- **Programming languages**
Python: Advanced
Pandas, NumPy, PyGame, Matplotlib, Sklearn, PyQt5, Spark, BeautifulSoup
Java: Beginner
C: Beginner
- **Database**
MySQL: Intermediate

Interests

- Yoga
- Piano
- Mountain climbing

References

- **Prof. Payam Khanteimouri**
Researcher at Universität Osnabrück
payam.khanteimouri@uos.der

- **Prof. Arash Negah Darikia**
Researcher at University of Limerick
arash.kia@ul.ie
- **Prof. Bita Shams**
Assistant Professor of Alzahra Universty
b.shams@alzahra.ac.ir
- **Prof. Marzieh Eskandari**
Assistant Professor of Alzahra Universty
eskandari@alzahra.ac.ir