Yasaman Majedi Ardakani

Email: majediyasaman@gmail.com
LinkedIn: yasamanmajedi
GitHub: github.com/yasamanmajedi

Education

Sharif University of Technology - Kish International Campus — Kish, Iran
B.S. in Computer Engineering, GPA: 16.64/20 (3.50/4.00) — 2018 –2023

Selected Courses

- Network Security **20/20**
- Computer Simulation **19.2/20**
- Information Technology **19/20**
- Advanced Computer Concepts **18.5/20**
- Artificial Intelligence **18/20**

Research Experiences

- A Comprehensive Survey of Recommender Systems, Sharif University of Technology, Kish International Campus 2022

The need for internet and web services has increased notably in the last few decades. In many real-world scenarios where users are bombarded with choices, recommender systems play a significant role in assisting users in making better choices based on their preferences and interests. The applications of recommender systems include, but are not limited to music, book, movie, healthcare, travel, fashion, transportation, and shopping. Recommender systems mainly utilize users' rating history to suggest items to the users. Nevertheless, various approaches have been studied and analyzed throughout the years to use other information as well as further enhance the suggestions. This thesis provides a comprehensive study of recommender systems, in which the history, goals, approaches, problems, challenges, evaluation, and research in different domains are assessed. Furthermore, in the latter chapters of the thesis, collaborative filtering techniques ranging from classic to modern are explored and compared.

Research Interests

- **Human-Computer Interaction**
- **Machine Learning**
- **Recommender Systems**
- **Interaction Design**

Skills

- **Programming Languages:** Python, C++
- **Machine Learning Frameworks:** Tensorflow, Keras, PyTorch
- **Others:** Git, LATEX

Languages

- **Persian:** Native
- **English:** Professional Proficiency
- **German:** Intermediate

Academic Projects

- Information Retrieval 2021
  This project had three phases. The first phase consists of preprocessing, indexing, compression, and correcting the user input query. The second phase consists of implementing the language model, editing the probability model, candidate generator, and candidate scorer. In the third phase, we implemented classification and clustering algorithms, designed a crawler, and evaluated articles and ranked authors based on information collected by the crawler. https://github.com/yasamanmajedi/Information-Retrieval-Project
- Artificial Intelligence 2020
  In this project, we want to find the localization of cell phones using the power of Wi-Fi signals. We implemented logistic regression and SVM for data. Furthermore, for the diabetes dataset, we implemented the decision tree. https://github.com/yasamanmajedi/AI-Project

Extracurricular Activities

- Member Executive Team at International Robotics Competition Nobember 2019
  Assisted during an intensive 3-day LEGO advisory training session, in which teams from 14 International high schools participated. Developed publication material pre-event to cater to the needs of fellow participants. Translated the interviews for Sharif University of Technology, Kish International Campus journal
- Participant at 2nd Iranian Health Hackathon April 2019
  Worked with a team of 6 members and spent 3 days of intensive planning, programming, and designing. Presented a prototype mobile application to a panel of judges. Secured 8th /15th position competing against working professionals and various university-level teams.
- Intern at Language Centre, Sharif University of Technology, Kish International Campus December 2018 –July 2019
  Mentoring and preparing students for Kish 1, and Kish 2 (English Preparatory exams) according to the IELTS course curriculum. Training, administering, and managing class schedules. Making animation for Kish 1, and Kish 2 classes.