

Sina Elahi Manesh

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Education

- **Sharif University of Technology** 2019 - 2024
B.Sc. in Computer Engineering
GPA: 19.01/20 (US Grading System: 3.92/4)

Publications

- **Improving Grading Fairness and Transparency with Decentralized Collaborative Peer Assessment**
Published at [CSCW 2024](#)
- **User Voices, Platform Choices: Social Media Policy Puzzle with Decentralization Salt**
Published at [CHI 2024 \(Late-Breaking Work\)](#)
- **The Art of Gift-Giving with Limited Preference Data: How Fashion Recommender Systems Can Help**
Published at [CHI 2024 \(Late-Breaking Work\)](#)
- **A Blockchain Approach to Academic Assessment**
Published at [CHI 2022 \(Late-Breaking Work\)](#)
- **From Words and Exercises to Wellness: Farsi Chatbot for Self-Attachment Technique**
[arXiv](#)
- **Emotion Alignment: Bridging the Gap Between Online and Real-world Feelings through Persian Tweets and Images**
Submitted at CSCW 2024 (January Cycle)

Honors & Awards

- **Bronze Medalist**
International Blockchain Olympiad (IBCOL)
Held Virtually - 2022
- **2nd Place**
International RoboCup Competitions
Montreal, Canada - 2018
- **2nd Place**
Asia-Pacific RoboCup Competitions
Kish, Iran - 2018
- **1st Place**
National RoboCup Competitions (IranOpen)
Tehran, Iran - 2018
- **Ranked #122**
Iranian Nationwide Entrance Exam for BSc Studies (Konkour)
Among nearly 165,000 participants

Research Interests

- **Human-Computer Interaction**
- **Social Computing**
- **Computer-Supported Cooperative Work (CSCW)**

Research Experience

- **Imperial College London**
Under the supervision of Prof. [Abbas Edalat](#) (remotely - unpaid)
Using digital psychotherapy techniques, we developed a Farsi chatbot to improve mental health, applying Transformers-based modules and conducting a user study, which resulted in the effectiveness of the chatbot in a non-clinical population.
- **Arizona State University**
Under the supervision of Prof. [Hasti Seifi](#) (remotely - unpaid)
Our project aimed to enhance video accessibility for BLV (Blind and Low Vision) users by creating an integrated platform that offers video question-answering and video descriptions.
- **Sharif University of Technology**
Under the supervision of Prof. [Shohreh Kasaei](#) (unpaid)
We conducted an extensive analysis of the alignment between users' emotions in the real world and their expressions on social media, involving 105 participants via HCI methodologies.
- **Sharif University of Technology**
Under the supervision of Prof. [MohammadHossein Rohban](#) (unpaid)
We proposed a novel social media with decentralized policy-making to improve fairness and diversity, followed by developing a Transformers-based module to learn users' preferred policies on social media.
- **TelIAS - Tehran Institute for Advanced Studies**
Under the supervision of Prof. [Sharareh Alipour](#) (unpaid)
Our project focused on using Blockchain for peer assessment, and we suggested a decentralized platform to enhance fairness and transparency in the assessment process in educational settings.

Teaching Experience (TA)

- Advanced Programming (x4) ◦ Basic Programming (x2) ◦ Computer Architecture (x2) ◦ Technical Presentation (x2) ◦ Computer Language and Organization (x3) ◦ Data Structure and Algorithms ◦ Probability and Statistics ◦ Computer Simulation ◦ Programming Languages ◦ Numerical Calculus ◦ Software Testing

Relevant Courses

- Web Programming Score: 20/20
- Mobile Programming Score: 18/20
- Software Engineering Score: 20/20
- System Analysis & Design Score: 20/20
- Technical Presentation Score: 20/20
- Computer Simulation Score: 20/20
- Advanced Information Retrieval Score: 20/20

Academic Services

- **Student Volunteer (SV)**
CSCW 2023, CSCW 2022, MobileHCI 2022, TEI 2023 Conferences
- **President**
Winter Seminar Series 2023 (WSS), including about 30 inviting Professors from around the world to talk about their work
- **Member of Students' Scientific Chapter (SSC)**
Department of Computer Engineering, Sharif University of Technology

Computer Skills

- Python ◦ Java ◦ Javascript ◦ C ◦ Dart
- Web Programming (React, HTML, CSS, JS, Django)
- Mobile Programming (Flutter, Android)
- Natural Language Processing (Transformers, BERT)
- Figma ◦ Git ◦ Docker ◦ Nginx ◦ LaTeX ◦ Ubuntu

Working Experience

- **Full-Stack Developer at Mithra-AI** 6 months
A procurement startup
- **Product Manager at Divar** 5 months
The largest Persian classified ads and e-commerce
- **Product Manager at Cafe Bazaar** 11 months
The largest Iranian Android application store
- **Founder of Guardian Startup** 3 years
A mobile application to prevent car accidents

Extra Curricular Activities

- Watching Scientific Documentaries
- Playing Padel
- Playing BoardGames
- Watching Movies
- Reading Books

Professional Participations

- Attended **CHI 2023** Conference
- Attended **CSCW 2023** Conference
- Attended **RecSys 2022** Conference
- Attended **MobileHCI 2022** Conference
- Attended **CSCW 2022** Conference

Languages

- **English**
TOEFL iBT Test: 104 (October 28, 2023)
 - Reading: **28**
 - Listening: **28**
 - Speaking: **21**
 - Writing: **27****GRE General Test:** (November 20, 2023)
 - Quantitative Reasoning: **168**
 - Verbal Reasoning: **147**
 - Analytic Writing: **4.5**
- **Persian**
Native

Projects

- **Decentralized Twitter Dataset Gathering Platform**
Django - React
- **Clustering Poems of Saadi**
Natural Language Processing (NLTK, BERT, KMeans)
- **Search Engine in Poems of Saadi**
Natural Language Processing (NLTK, BERT, FastText, TFIDF)
- **Blockment Website**
HTML - CSS - JS - Django
- **Self-Attachment Technique Chatbot**
Flutter - Django - React - Natural Language Processing
- **Divar Search Assistant Chatbot**
Django - React - Natural Language Processing
- **Online Shop (Web Programming Project)**
React - Node.JS