

# Fatemeh Mirhosseini

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## RESEARCH INTERESTS

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- Education Technology
- Human Computer Interaction
- Social Computing
- User Interface Design

## EDUCATION

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- **Bachelor of Science in Computer Engineering-Software Engineering** 2019-2023  
*Islamic Azad University Yazd-Iran*
  - GPA: **3.6/4 - 17.59/20 — 3.95/4 - 19.14/20** (Last two years)
  - **Thesis Title:** "Enhancing Sentiment Analysis: Exploring Optimal Data Cleaning and Algorithms on IMDb Dataset" Supervisor: Dr. Sima Emadi
- **Doctor of Dental Surgery-Dentistry** 2017-2019  
*Islamic Azad University Isfahan-Iran*
  - Switched majors to pursue my passion in Computer Science.
  - *Selected Courses:*
    - Psychology:A+ - Computer Applications in Healthcare:A+ - Physiology:A+

## PUBLICATION

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- **Mirhosseini F, Aghae-Maybodi N(2024).** Beyond Traditional Counseling: Unveiling Iranian Students' Engagement with AI Chatbots for Mental Health Support
  - In Progress
- **Mirhosseini F, Parsaeian S. E, Hosseini S, and Aghae-Maybodi N(2024).** Spam Detection in Social Networks with Natural Language Processing based on BERT Network and Generative Adversarial Network (GAN) with Swarm Intelligence in Apache Spark Architecture
  - Submitted

## TEACHING EXPERIENCES

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### Teaching Assistant

Analysis and Design of Systems Winter 2022  
Assisted with course material and student problem-solving

Data Mining Fall 2022  
Presented educational projects and aided students in coding and theory problem-solving

## INTERNSHIP

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- *Iene Business Development Company: A platform for sharing online shopping experiences*
  - Unpaid, for course credit in my bachelor's
- **Programming and User Experience Design Intern** 2022.9-2022.12
  - Web Scraping (Using Python,Django)
  - User Research (Interview)

## ACADEMIC PROJECTS

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- [DocChat](#)
  - Developed "DocChat" as a Q&A application for asking question about a text file. Fall 2023
- [Text Classification on Users Comments](#)
  - Classifying user's comments, aiding in understanding consumer feedback and trends. Fall 2022
- [Developing a Web scraper to get 9 million products information from an online shop](#)
  - Developed a specialized tool to gather the product details from an online store, enabling business decision-making. Spring 2022

## ACADEMIC COURSES

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- Software Engineering 20/20
- Programming Languages Design 19.5/20
- Data Mining 19.5/20
- Information Retrieval and Web Search 20/20

### Online Courses

- Coursera: Intro to Extended Reality
- Coursera: Natural Language Processing Specialization

## SKILLS

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**Programming:** Python, C++, MATLAB

**Web Development:** Django, HTML/CSS, SQL, NoSQL

**User Research:** Survey, Interview, Focus Group, Observation

**User Interface Design:** Figma

## ENGLISH PROFICIENCY

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- TOEFL iBT at Test Center: 94 (Best Score:96) 11/15/2023
  - Reading: 25   Listening: 26   Speaking: 21 (Best Score:23)   Writing: 22