

# Pooriya Jamie

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## About Me

With a research background in computer science, AI, and human-computer interaction, I’ve worked on projects that explore how technology enhances learning, creativity, and decision-making. These experiences have deeply influenced my interest in computational communication, particularly the social, behavioral, and educational impacts of digital platforms. My goal is to develop innovative computational methods that support meaningful digital interactions, particularly aimed at benefiting diverse and underserved communities.

## Education

<b>Amirkabir University of Technology (Tehran Polytechnic), B.Sc. in Computer Science</b>			<i>Sep 2021 - present</i>
○ GPA: 18.56/20 (3.89/4)	Major Subject GPA: 4/4	Top 5%	
○ Major Courses: Computer Programming (20/20)	Artificial Intelligence (19.5/20)	Data Mining (19.82/20)	
Data Structures and Algorithms (19.5/20)	Image Processing (20/20)	Design & Analysis of Algorithms (20/20)	
Linear Optimization (18.6/20)	Software Engineering (20/20)	HCI (Graduate course) (18.7/20)	

<b>Shahid Beheshti High School, Diploma</b>	<i>Sep 2017 - Jan 2021</i>
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## Publications

**Jamie, Pooriya**, Hajihashemi, Reyhaneh, and Alipour, Sharareh. (2024). “Utilizing ChatGPT in a Data Structures and Algorithms Course: A Teaching Assistant’s Perspective”. CHI 2025 Late Breaking Work. Preprint at [arXiv:2410.08899](https://arxiv.org/abs/2410.08899).

Chauhan, Anishka, Mayur, Pratham, Gokarakonda, Yeshwanth Sai, **Jamie, Pooriya**, and Mehrotra, Naman. (2024). “Indian Stock Market Prediction using Augmented Financial Intelligence ML” (January 17, 2024). Available at [SSRN:4697853](https://ssrn.com/abstract=4697853).

## Research Experience

<b>Research Intern: AI-assisted Assignment Assessment System, University of Twente, Remote</b>	
Under the supervision of Dr. Mohammadreza Farrokhnia	<i>Jul 2024 - Present</i>
<ul style="list-style-type: none"><li>Developing an AI-assisted assignment assessment system that measures how much feedback has been applied in the final assignment.</li><li>Utilized ChatGPT to provide constructive feedback to students and improve areas in their assignments.</li></ul>	
<b>Research Assistant: ChatGPT's Impact on Education, Tehran Institute for Advanced Studies (TeIAS)</b>	
Under the supervision of Dr. Sharareh Alipour	<i>Oct 2023 - Jul 2024</i>
<ul style="list-style-type: none"><li>Analyzed the potential of ChatGPT in research and teaching domains, focusing on its influence on educational practices.</li><li>Conducted studies, including surveys and interviews, to understand ChatGPT's adoption and utilization by educators.</li></ul>	
<b>Research Assistant: Emotion-aware Musical Recommendation System, University College London (UCL), Remote</b>	
Under the supervision of Prof. Philip Treleaven	<i>Dec 2023 - Apr 2024</i>
<ul style="list-style-type: none"><li>Conducted an extensive literature review on emotion-aware music recommendation systems.</li><li>Assisted with drafting the initial version of the manuscript, summarizing current methodologies and contextual analysis techniques.</li></ul>	
<b>Research Intern: Augmented Financial Intelligence Project, University College London (UCL), Remote</b>	
Under the supervision of Prof. Philip Treleaven	<i>Jan 2023 - Dec 2023</i>
<ul style="list-style-type: none"><li>Conducted a comprehensive literature review on machine learning applications in financial markets.</li><li>Assisted in enhancing the project's machine learning infrastructure to improve forecasting accuracy.</li></ul>	

## Teaching Assistant Experience

Data Structures and Algorithms (TA for 4 consecutive semesters)	<i>Feb 2023 - Jan 2025</i>
Machine Learning	<i>Sep 2024 - Jan 2025</i>
Numerical Calculations	<i>Feb 2024 - Jun 2024</i>
Foundation of Numerical Analysis	<i>Feb 2024 - Jun 2024</i>
Algorithmic Game Theory	<i>Jan 2024 - Jun 2024</i>
Principles and Techniques in Data Science	<i>Jan 2024 - May 2024</i>
Data Mining	<i>Oct 2023 - Jan 2024</i>
Linear Algebra	<i>Oct 2023 - Nov 2023</i>
Algorithmic creativity and Python programming	<i>Jul 2023 - Sep 2023</i>
Foundation of Combinatorics	<i>Feb 2023 - Jul 2023</i>

## Other Experiences

<b>Tester and Mentor of Short Courses</b> , <i>DeepLearning.AI, Remote</i>	<i>Aug 2023 - Jan 2024</i>
Took on the role of testing and mentoring for short courses, ensuring quality, effectiveness, and supporting participants' learning process.	
<b>Data Science Bootcamp</b> , <i>Quera</i>	<i>Aug 2023 - Nov 2023</i>
Participated in a 12-week intensive data science program covering topics such as Data Analysis, Machine Learning, Data Visualization, Data Mining, Deep Learning, Power BI, SQL, NLP, and Soft Skills. Completed industry-relevant projects for practical experience.	
<b>Mentor of AI For Everyone Course</b> , <i>DeepLearning.AI, Remote</i>	<i>Oct 2022 - Aug 2023</i>
I try to answer learners’ questions about different fields of artificial intelligence in discourse at the DeepLearning.AI website.	
<b>Programming Contest Coordinator</b> , <i>Tehran Polytechnic</i>	<i>Dec 2021 - Jan 2022</i>
Designed algorithm and mathematical programming questions for a competition with +600 participants.	

## Practical Skills

Machine Learning & Data Science:	TensorFlow, PyTorch, scikit-learn, Keras
Web Development:	HTML, CSS, JavaScript, WordPress, SQL
Computational Communication:	Gephi, BERT, GPT-based models, sentiment analysis tools
Human-Centered Design:	Design Thinking, Participatory Design, Prototyping
Data Analysis & Visualization libraries:	NumPy, Pandas, Matplotlib, Seaborn, Tableau, Power BI
Programming languages:	Python, C, C++, R, SQL
User Experience (UX) Research Methods:	Usability Testing, User Interviews, Qualitative & Quantitative Analysis
Soft Skills:	Communication, Teamwork, Persistent, Curious, Problem-Solving

## Honors

Achieved top ranked student place in my University entering class.
Achieved top 0.5% place in Nationwide University Entrance Exam for B.Sc. in Math. and Engineering (~130,000 applicants), Iran

## Certifications

Task-Oriented Bootcamp in Data Science	<i>Quera,</i>	<i>Nov 2023</i>
Unsupervised Learning, Recommenders, Reinforcement Learning	<i>Coursera, DeepLearning.AI, Stanford University,</i>	<i>Aug 2023</i>
Advanced Learning Algorithms	<i>Coursera, DeepLearning.AI, Stanford University,</i>	<i>Jul 2023</i>
Linear Algebra For Machine Learning and Data Science	<i>Coursera, DeepLearning.AI, Stanford University,</i>	<i>Mar 2023</i>
Python for Data Science	<i>Uplimit,</i>	<i>Mar 2023</i>
Mathematics for Machine Learning: Linear Algebra	<i>Coursera, Imperial College London,</i>	<i>Nov 2022</i>
Supervised Machine Learning: Regression and Classification	<i>Coursera, DeepLearning.AI, Stanford University,</i>	<i>Nov 2022</i>
AI For Everyone	<i>Coursera, DeepLearning.AI,</i>	<i>Sep 2022</i>
Python Data Structures	<i>Coursera, University of Michigan,</i>	<i>Aug 2022</i>
Improve Your English Communication Skills Specializations	<i>Coursera, Georgia Institute of Technology,</i>	<i>Aug 2022</i>
Introduction to User Experience Design	<i>Coursera, Georgia Institute of Technology,</i>	<i>Feb 2022</i>
Advanced Algorithmic thinking and Data structure	<i>Quera,</i>	<i>Jun 2020</i>
Fundamental of C++ programming and algorithm thinking	<i>Quera,</i>	<i>May 2020</i>

## Research Interests

Computational Social Science		Data Science for Social Good		Human-Computer Interaction		Data Science
Machine Learning		Natural Language Processing		Network Analysis		Social Media
Computing Education		Learning Analytics		Educational Equity		

## Languages

Persian: Native proficiency
English: Professional working proficiency (TOEFL iBT: Overall 97, Reading 22, Listening 28, Speaking 23, Writing 24)

## Reference

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