



# Parsa Rasouli

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*Date of Birth:* April 1, 2001

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## EDUCATION

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### Master of Science in Computer Science

Oct 2025 – Present

*University of Freiburg, Germany*

### Bachelor of Science in Computer Engineering

Sep 2019 – Aug 2023

*Azad University of Karaj, Iran*

- Overall Grade: 17.81 / 20
- Thesis: “The Persian Piano Corpus: A Collection of Instrument-Based Feature-Extracted Data Considering Dastgah”
- Supervisor: Dr. Azam Bastanfard
- Awarded: Top 5% among more than 300 Computer Engineering students

### High School Diploma in Experimental Sciences

Sep 2016 – Jul 2019

*Danesh Entekhab Gymnasium, Karaj, Iran*

- Overall Grade: 18.25 / 20
- Admission: Based on entrance test for gifted school

## PROFESSIONAL EXPERIENCE

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### AI Solutions & Consulting Instructor

Aug 2025 – Oct 2025

*Careerpreneur Academy, Online*

- Delivered training on AI strategy, automation tools, and prompt engineering to 80+ participants.
- Mentored participants in developing real-world AI consulting projects.

### Founder & AI Developer

Jul 2025 – Sep 2025

*Khodkar AI ([khodkarai.com](https://khodkarai.com)), Karaj, Iran*

- Established AI automation company specializing in marketing optimization and digital operations.
- Architected AI integration frameworks for 5+ client projects.

### Content Developer & AI Specialist

Aug 2023 – Sep 2025

*Famco Corp ([famcocorp.ae](https://famcocorp.ae)), Tehran, Iran*

- Engineered 3 custom AI tools that accelerated content production workflows by 60%.
- Created SEO-optimized content for 350+ products supporting e-commerce initiatives.

### Co-Founder

Nov 2019 – Apr 2021

*Chilik Studio, Karaj, Iran*

- Co-founded stock photography marketplace, managing website development and marketing strategy.
- Managed website development, marketing, and content expansion.

## ACADEMIC EXPERIENCE

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### Research Assistant

Oct 2022 – Aug 2023

*Dr. Azam Bastanfard's AI Lab*

### Teaching Assistant

Jan 2022 – Jun 2022

*Theory of Languages and Machines (Dr. Javad Mohammadzadeh)*

### Peer Reviewer

2025

*Multimedia Tools and Applications (Springer), ISSN: 1380-7501*

## PUBLICATIONS

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- The Persian Piano Corpus: A Collection of Instrument-Based Feature-Extracted Data Considering Dastgah** Nov 2023
- Rasouli, P. & Bastanfard, A. (2023). arXiv preprint. DOI: [arXiv:2311.11074](https://arxiv.org/abs/2311.11074)
- The Persian Piano Corpus (The Dataset)** Nov 2023
- Rasouli, P. & Bastanfard, A. (2023). Harvard Dataverse. DOI: [10.7910/DVN/YY7SVD](https://doi.org/10.7910/DVN/YY7SVD)

## SELECTED PROJECTS

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- Data Analysis and Stroke Prediction Using Neural Networks** Jul 2023
- Comparative Analysis of CNN Architectures for Traffic Sign Classification** Jun 2023
- Color Range and Histogram Analysis Using Tkinter and OpenCV** May 2023
- Lecture: “NLP — Fundamentals for Everyday Life”** May 2022

## CERTIFICATES & AWARDS

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- Harvard University Golden Puzzle Day** Apr 2026, 2025, 2024, 2023, 2022
- Harvard University Ready Player 50** Oct 2023
- Harvard University CS50: Artificial Intelligence (CS50AI)** Jul 2023
- Harvard University CS50: Programming with Python (CS50P)** Dec 2022
- Harvard University CS50: Computer Science (CS50X)** Apr 2022
- California Institute of the Arts: Fundamentals of UX Design** Sep 2021
- California Institute of the Arts: Introduction to Typography** Sep 2021
- California Institute of the Arts: Visual Elements of UI Design** Aug 2021
- California Institute of the Arts: Fundamentals of Graphic Design** Aug 2021

## TECHNICAL SKILLS

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**Artificial Intelligence & Machine Learning:** Large Language Models (GPT, Claude, Gemini), Prompt Engineering, AI Agent Development, Deep Learning (CNNs, RNNs)

**AI Automation & Workflow Engineering:** n8n, Make, Zapier, Custom Python Automation Scripts, API Integration, Voice Processing Pipelines, SEO Content Generation, Rag Integration

**Programming & Development:** Python, JS, HTML/CSS, Git/GitHub

**Data Science & Analytics:** Data Collection & Feature Extraction, Pandas, NumPy, Matplotlib, Jupyter Notebooks

**Web Development & CMS:** WordPress, Elementor, Custom Code Integration, Front-end Development, Website Architecture, Self-Hosted Server Management

**DevOps & Infrastructure:** Self-Hosted Server Administration, SQLite, System Integration

**UI/UX Design & Creative Tools:** Figma, Adobe XD, Photoshop, Illustrator, Premiere Pro, User Interface Design, Branding, Color Grading, Visual Design Systems

**Content & Marketing Technology:** SEO Optimization, Content Strategy, Digital Marketing Automation, Google Analytics, Social Media Automation

**Research & Documentation:** Scientific Writing, LaTeX, Overleaf, Technical Documentation, Data-Driven Research, Reproducible Analysis

**Languages:** Persian (Native), English (C1 - IELTS 7), Turkish (Fluent), German (A1)