

# MAHTAB SARLAK

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## EDUCATION

### Master of Science in Artificial Intelligence and Robotics

Shahid Beheshti University • GPA: 18.69 • Rewarded as a Talent and Elite Student • Member of Image Processing Lab • Thesis: Personalized Image Tag Refinement By Leveraging Knowledge Graph(KG)

### B.Sc in Computer Engineering

Shahid Beheshti University (Ranked in the top 10% in the university) • GPA: 18.67 • Rewarded as a Talent and Elite Student • Thesis: Vector Embedding of Persian Verbal Multiword Expressions

## WORK EXPERIENCE

### Software Developer

Pasargad Electronic Payment

Tehran

May 2023 - Present

- Developed microservices for an e-wallet project using Spring Boot
- Utilized Docker and Kubernetes for the DevOps cycle.
- Gathered project requirements, and designed architecture and use case diagrams.

### Computer Vision Researcher

Shahid Beheshti University

Tehran

Feb 2023 - Feb 2024

- Using sequence generation and KG to generate tags for social media images.

### NLP Researcher

Paris-Saclay University

Orsay

Jan 2022 - Present

- Join collaboration on Farsi PARSEME (PARSIng and Multi-word Expressions) corpus.

### Full-stack Software Developer

Iran Tourism Information Technology

Tehran

April 2020 - May 2023

- Designed and developed UI using React.js, Angular, and Redux.
- Developed microservices for payment applications using Java and Spring Boot.
- Integrated message brokers and Redis for efficient communication and caching.

### Machine Learning Mentor

Shahid Beheshti University, Summer Machine Learning workshop

Tehran

Summer 2019

### English Teacher

Hermes institute, Part-time

Tehran

June 2014 - Feb. 2017

## SKILLS

**Fields of Interest:** OOP Programming, Advanced Data Structures, Software Development, NLP

**Technical Skills:** Java, Python, JavaScript, Spring Boot, React.js

**Tools & Technologies:** SQL, NoSQL, Redis, Docker, ELK, Message Brokers, Redux, Git, CI/CD

**Languages:** Persian: Native, English: Proficient

## PUBLICATION

### Predicting Compositionality of Verbal Multiword Expressions in Persian

Mahtab Sarlak, Yalda Yarandi, and Mehrnoush Shamsfard. 2023.

In Proceedings of the 19th Workshop on Multiword Expressions (MWE 2023), pages 14–23, Dubrovnik, Croatia. Association for Computational Linguistics.[\[LINK\]](#)

## HONORS AND AWARDS

**Granted admission** from Talented Student Office of Shahid Beheshti University for graduate study.

**13th Rank** JavaCup Professional Developer.