

# Mohammadhosein Shakiba

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## EDUCATION

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### Ferdowsi University of Mashhad

Mashhad, Iran

*B.Sc. in Cell and Molecular Biology; GPA: 3.75/4.00*

*Sep 2021 – Jun 2025*

**Courses:** Cell Biology, Molecular Biology I-II, Biochemistry I-II, Genetics I-II, Histology, Immunology, Virology, Plant Physiology, Biophysics, General Biology, Organic Chemistry I-II, Human Anatomy, Animal Physiology, General Microbiology, Biostatistics, Evolution, General Chemistry, Ecology, General Physics

### Sharif University of Technology

Tehran, Iran

*MicroMaster in Data Science*

*Sep 2023 – Jun 2024*

**Courses:** Python Programming, Mathematics for AI & Data Science, Data Analysis with Python, Principles and Techniques in Data Science, Big Data Processing and Analysis, Machine Learning

## SKILLS

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Python, R, SQL, C, Git, Math, Statistics, Machine Learning, Teaching, Research

## WORK EXPERIENCE

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### Safir Language Academy

Tehran, Iran

*English Language Teacher*

*March 2022 – April 2023, Part-time*

- Taught English to 100+ individuals of all ages using the ESA method.
- Developed course materials, schedules, and quizzes.
- Completed a Teacher Training course and earned a certificate.

## RESEARCH EXPERIENCE

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### FUM Research Institute of Biotechnology

Mashhad, Iran

*Student Researcher*

*Jun 2023 – Present*

- Conduct quantitative and qualitative research data analysis.
- Clean, process, and analyze datasets using Python.
- Lead and collaborate with a team of fellow researchers under the supervision of [Prof. Dr. Fatemeh B. Rassouli](#).

### Molecular lab., Institut Pasteur

Tehran, Iran

*Student Intern*

*April 2022*

- Completed a 120-hour on-site program and earned a certificate.
- Formulated custom buffers for extraction protocols.
- Activities included DNA extraction, RNA extraction, and PCR procedures.

## LANGUAGES

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**English** - Fluent

**Persian** - Fluent

**German** - Beginner

## PUBLICATIONS

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**Joining Up the Scattered Anticancer Knowledge on Auraptene and Umbelliprenin: A Meta-Analysis** | [Article](#)

**Illuminating new possibilities: Effects of copper oxide nanoparticles on gastrointestinal adenocarcinomas in hypoxic condition** | [Article](#)

## AWARDS & ACHIEVEMENTS

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**National University Admission Exam:** Ranked 423<sup>th</sup> in English Language out of 140,174 candidates (July 2021).

**Allame Helli High School:** Graduated as the second-highest ranked student, attaining a score of 98.6%.

## CERTIFICATIONS

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**‘CS50x’ (Harvard University)** | [Certificate](#)

- Introduction to the intellectual enterprises of computer science and the art of programming.

**‘CS50AI’ (Harvard University)** | [Certificate](#)

- Introduction to Artificial Intelligence with Python.

**‘Data Analysis with R’ (Duke University)** | [Certificate](#)

- Mastery of data analysis including basic data visualization, statistical testing and inference, and linear modeling.

**‘Cancer Biology’ (Johns Hopkins University)** | [Certificate](#)

- Introduction to the molecular biology of cancer as well as the biologic hallmarks of cancer.

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**‘Web Programming with Python and JavaScript’ (Harvard University)** | [Certificate](#)

**‘Introduction to Databases with SQL’ (Harvard University)** | [Certificate](#)

**‘Introduction to Programming with Python’ (Harvard University)** | [Certificate](#)

**‘Introduction to Cybersecurity’ (Harvard University)** | [Certificate](#)

**‘Introduction to Genetics and Evolution’ (Duke University)** | [Certificate](#)

**‘Introduction to Psychology’ (Yale University)** | [Certificate](#)

**‘Introduction to Neurobiology’ (The University of Chicago)** | [Certificate](#)

**‘Python for Everybody’ (University of Michigan)** | [Certificate](#)

**# CS50x Puzzle Day 2023** | [Certificate](#)

**# Ready Player 50** | [Certificate](#)