

# Mohammadhosein Shakiba

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## EDUCATION

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**Ferdowsi University of Mashhad** Sep 2021 – Jun 2025  
*B.Sc. in Cell and Molecular Biology; 3.78/4.00*

**NODET High School** Sep 2018 – Jun 2021  
*Diploma in Science; 4.00/4.00*

## SKILLS

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Python, R, Math, Statistics, Machine Learning, Data Science, Teaching, Research, Teamwork

## WORK EXPERIENCE

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**Safir Language Academy (Tehran)** Apr 2022 – Mar 2023  
*English Language Teacher*

- Completed a 6-week Teacher Training course.
- Developed course materials, schedules, and quizzes.
- Taught English to individuals of all ages using the 'Engage, Study, Activate' method.

## RESEARCH EXPERIENCE

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**Research Institute of Biotechnology (Mashhad)** Jul 2023 – Present  
*Student Researcher*

- Authoring research papers mainly focusing on cancer.
- Conducting quantitative and qualitative research data analysis.
- Collaborating with a team of researchers under the supervision of Dr. Fatemeh B. Rassouli.

**Pasteur Institute (Tehran)** Apr 2022  
*Student Intern*

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

## LANGUAGES

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**English** (Fluent), **French** (Novice), **Persian** (Native)

## PUBLICATIONS

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**Shakiba, M.**, Rassouli, F.B., Joining Up the Scattered Anticancer Knowledge on Auraptene and Umbelliprenin: A Meta-Analysis | *under-review*

Talebian, S., Shahnavaaz, B., **Shakiba, M.**, Rassouli, F.B., Illuminating new possibilities: Effects of copper oxide nanoparticles on gastrointestinal adenocarcinomas in hypoxic condition | *under-review*

## ACHIEVEMENTS

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**National University Admission Exam:** Ranked in the top 0.3% in English Language out of 140,000 candidates.

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

## AUDITS

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Genetics and Evolution, Neurobiology, Psychology

## CERTIFICATIONS

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- '**CS50x**' (Harvard University) | [Certificate](#)
- '**Web Programming with Python and JavaScript**' (Harvard University) | [Certificate](#)
- '**Artificial Intelligence with Python**' (Harvard University) | [Certificate](#)
- '**Databases with SQL**' (Harvard University) | [Certificate](#)
- '**Cybersecurity**' (Harvard University) | [Certificate](#)
- '**Programming with Python**' (Harvard University) | [Certificate](#)
- '**Python for Everybody**' (University of Michigan) | [Certificate](#)
- '**Data Analysis with R**' (Duke University) | [Certificate](#)
- '**Cancer Biology**' (Johns Hopkins University) | [Certificate](#)
- '**Computational Neuroscience**' (Neuromatch Academy) | [Certificate](#)
- '**MicroMaster in Data Science**' (Sharif University of Technology) | *in-progress*

## EVENTS

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- [CS50x Puzzle Day 2023](#)
- [Ready Player 50](#)

## REFERENCES

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References available upon request.