

# Mohammadhosein Shakiba

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As a passionate third-year undergraduate pursuing a degree in cell and molecular biology, I devote my free time to advancing my research talents. Through independent data analysis projects, I am refining my aptitude for scrutinizing scientific inquiries. Additionally, I am honing my computer science and statistical skills to further prepare myself for future analytical and research endeavors.

## Work Experience

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### **Student Researcher**

Ferdowsi University of Mashhad - Mashhad  
2023 to Present

- Conduct quantitative and qualitative research data analysis
- Clean, process, and analyze datasets using Python
- Lead and collaborate with a team of fellow researchers

### **English Teacher**

Safir Language Academy - Tehrān  
2022 to 2023

- 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

### **Student Intern**

Molecular lab., Institut Pasteur - Tehrān  
2022 to 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

## Education

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### **Bachelor of Science in Cell Biology**

Ferdowsi University of Mashhad - Mashhad  
2021 to 2025

### **MicroMaster in Data Science**

Sharif University of Technology - Tehrān  
2023 to 2024

## Skills

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- Python
- R
- Git
- Math
- Statistics
- SQL
- Machine learning
- Teaching
- Research

## Languages

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- Persian - Fluent
- English - Fluent

## Certifications and Licenses

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### **‘CS50x’ (Harvard University)**

"Introduction to the intellectual enterprises of computer science and the art of programming"

<https://cs50.harvard.edu/certificates/2fec4b3b-b324-4c23-9b5c-7632bbd40fbe>

### **‘CS50AI’ (Harvard University)**

"Introduction to Artificial Intelligence with Python"

<https://cs50.harvard.edu/certificates/2a169189-71f0-4ccf-b3bc-534b4edcd06d>

### **‘Data Analysis with R’ (Duke University)**

"Statistical mastery of data analysis including basic data visualization, statistical testing and inference, and linear modeling"

<https://www.coursera.org/account/accomplishments/specialization/certificate/BY4U3Y95N9PZ>

### **‘Cancer Biology’ (Johns Hopkins University)**

"Introduction to the molecular biology of cancer as well as the biologic hallmarks of cancer"

<https://www.coursera.org/account/accomplishments/specialization/certificate/DM3KFBDJXRJT>

## Publications

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### **ORCID**

<https://orcid.org/0009-0003-4404-7759>

### **GitHub**

<https://github.com/abikahs>

## Additional Information

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- Other Certifications:

'Web Programming with Python and JavaScript' (Harvard University)

<https://cs50.harvard.edu/certificates/4fa092fc-25fb-44da-952c-911136d2da06>

'Introduction to Databases with SQL' (Harvard University)

<https://cs50.harvard.edu/certificates/aa341626-f0b2-47a3-9974-eb66ef304e3b>

'Introduction to Programming with Python' (Harvard University)

<https://cs50.harvard.edu/certificates/30c89e28-bb58-46a6-a4d1-ac180ff48c29>

'Introduction to Cybersecurity' (Harvard University)

<https://cs50.harvard.edu/certificates/6e537f12-814f-481f-9d9d-27f3e56cac04>

'Introduction to Genetics and Evolution' (Duke University)

<https://www.coursera.org/account/accomplishments/certificate/EK75PXFAQ6S7>

'Introduction to Psychology' (Yale University)

<https://www.coursera.org/account/accomplishments/certificate/336GDCV52Q53>

'Introduction to Neurobiology' (The University of Chicago)

<https://www.coursera.org/account/accomplishments/certificate/SPXWHULGWVWD>

'Python for Everybody' (University of Michigan)

<https://www.coursera.org/account/accomplishments/specialization/certificate/WXNY86THJXNM>

- Events:

CS50x Puzzle Day 2023

<https://cs50.harvard.edu/certificates/5d50a728-8586-4863-b612-a182c5a7c61a>

Ready Player 50

<https://cs50.harvard.edu/certificates/b5b6bf29-0bab-465a-91c7-29a0a40982e2>