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

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

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

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

Languages

- Persian - Fluent
- English - Fluent

Certifications and Licenses

'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 (oncogenes and tumor suppressor genes) as well as the biologic hallmarks of cancer.
«https://www.coursera.org/account/accomplishments/specialization/certificate/DM3KFBDJXRJT»

Publications

ORCID
https://orcid.org/0009-0003-4404-7759

GitHub
https://github.com/abikahs

Additional Information

• 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 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»