

Mohammadhosein Shakiba

GitHub: abikahs Email: shakiba@int-n.info ORCID: 0009-0003-4404-7759

EDUCATION

Ferdowsi University of Mashhad

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

Mashhad, Iran

Sep 2021 – Jun 2025

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

Sharif University of Technology

MicroMaster in Data Science

Tehran, Iran

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

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

WORK EXPERIENCE

Safir Language Academy

English Language Teacher

Tehran, Iran

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

FUM Research Institute of Biotechnology

Student Researcher

Mashhad, Iran

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

Student Intern

Tehran, Iran

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

English - Fluent

Persian - Fluent

German - Beginner

PUBLICATIONS

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

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

AWARDS & ACHIEVEMENTS

National University Admission Exam: Ranked 423th 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

‘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.

‘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](#)