

Ali Razi

DATA SCIENTIST

ali.razi9292@gmail.com
416-731-3872
www.linkedin.com/in/alirazi1992
github.com/alirazi1992/alirazi1992

PROFILE

With master's degree in genetics and a wavering passion for data science, I am poised to bridge the gap between biological insights and cutting-edge analytics. As I embark on this exhilarating journey, I am eager to leverage my strong research background, critical thinking, and adaptability to thrive in the dynamic and ever-evolving realm of data science.

SKILLS

Python, R, SQL, Machine Learning, NumPy, Pandas, Tableau, CNN, MATLAB, JavaScript, C, Graph Pad, Designing Primer, Real-time PCR, PCR, DNA Extraction, DNA Methylation, RNA Extraction, cDNA Synthesis, Gel Electrophoresis, Cell Culture, ELISA, Fluorescence Microscope

EXPERIENCE

Cytogenesis Lab Technician | Farda Lab

APR 2017 - 2018, TEHRAN, IR

- Applied advanced microscopy techniques to capture high-resolution images of karyotypes and chromosomes. Improved accuracy of genetic analyses for more informed diagnoses.
- Devised and executed optimized cell harvesting methods, boosting lab efficiency. Increased processing capacity while maintaining rigorous quality standards.
- Orchestrated seamless teamwork among geneticists, clinicians, and counselors. Provided holistic support to patients and healthcare professionals, improving patient care outcomes.

Clinical Laboratory Technician | Taleghani Hospital

OCT 2013 - 2014, TORONTO, CA

- Meticulously managed reagents and specimens for diverse lab tests, ensuring accurate results for optimal patient care.
- Analyzed complex lab reports with precision, elevating diagnostic accuracy and refining treatment planning.
- Conducted research on anomalies and genetic variations, contributing to medical progress through insightful discoveries.
- Proactively maintained equipment and swiftly resolved issues, guaranteeing seamless lab operations and minimizing delays for patient services.

EDUCATION

BrainStation | Diploma, Data Science

JUN 2023 - SEP 2023, TORONTO, CA

York University | Bachelors in Biology

JAN 2019 - APR 2023, TORONTO, ON

- Graduated in honors

Azad University | Master in Molecular Genetics (MSc)

JAN 2015 - APR 2017, TEHRAN, IR

Azad Medical University | Bachelors in Genetics (BSc)

JAN 2011 - APR 2014, TEHRAN, IR

PROJECTS

Research Publication: GPX2 and BMP4 Molecular Alterations in Lung Adenocarcinoma - Role: Writer and Editor

Conducted integrated bioinformatics analysis on GPX2 and BMP4 alterations in lung adenocarcinoma progression

Published in Cell Journal (Yakhteh), June 2022, Vol. 24, Issue 6, Pages 302-308

Lead Researcher | Gene Expression Study in Breast Cancer Patient

Evaluated gene expression and methylation of DOK7 gene in breast cancer blood samples

Presented findings at 19th Congress on Reproductive Biomedicine & 14th Congress on Stem Cell Biology and Technology, Aug 2018, Tehran, Iran