Shahrad Shafaei

No. 5 Tavakol 4th, Farhang St., Sari, Mazandaran, IRAN, Postal code; 48188 67769 |
Tel: +989113284144 | **Shahrad.Shafaei@icloud.com** | https://www.linkedin.com/in/shahrad-shafaei-95630a293

EDUCATION

Mashhad University of Medical Sciences   Mashhad, Iran
Doctor of Medicine (M.D.)   September 2016 - January 2024
                                                                                  GPA: 15.42 / 20

WORK EXPERIENCE

Farabi Clinic, Sari, Iran   February 2024– Present
General Practitioner (GP)
- Assessing patients during health diagnostic panels
- Collaborating with attending senior physicians to diagnose patients and develop treatment plans
- Other outpatient activities such as assessment, diagnosis, and minor surgical procedures

Mashhad University of Medical Sciences, Mashhad, Iran   March 2022 – January 2024
Medical Internship
- Assisting residents and other senior physicians, executed diverse administrative tasks, including communicating with patients through phone and email, scheduling appointments, and managing medical records and documents.
- Assisted in patient assessment on various diseases, disorders, general healthcare, and treatment options.
- Documented patient care activities and fulfilled additional responsibilities as directed by medical professionals.
- Conducted medical research methodology and doctoral thesis research

Neurology Clinic at Sari Medical Center   May 2020–June 2020
Summer Medical Internship Observation
- Shadowing senior physicians assessing patients during health diagnostic panels
- Assisted in patient assessment by collecting vital signs such as blood pressure, pulse, and temperature, ensuring cleanliness and sanitation in examination rooms.
- Documented patient care activities and fulfilled additional responsibilities as directed by senior neurologists.

RESEARCH EXPERIENCE

Dr. Baghbanian Neurology Clinic,   Sari, Iran
Research Assistant   March 2024 – Present
- Systematic review on comorbidity of depression with multiple sclerosis (MS).
- Association between depressive symptoms and severity and duration of multiple sclerosis is investigated in patients with MS.
- The severity of MS patients will be assessed using their MRI and medical history, and depressive symptoms will be measured by using the CES-D Scale.
- Where needed, multivariate analysis and meta-analysis will be performed.

Addiction Institute, Mazandaran University of Medical Sciences   Sari, Iran
Research Assistant   May 2024 – Present
- Research project currently under Dr. Kamaledin Alaedini supervision on "Investigating cannabis consumption and related motivating and confounding factors among students of Sari city during the academic year"
- Conducting survey using Comprehensive Marijuana Motives Measure (CMMM) and Rutgers Marijuana Problem Index (RMPI)
- Data collected from these surveys will be analyzed using uni/multi-variate and regression analysis

Mashhad University of Medical Sciences   Mashhad, Iran
Research Assistant for Dissertation Project   March 2022 – January 2024
- Dissertation Project: Postoperative clinical assessment of inflammation blood markers and neurological impairment in patients after cardiac surgery.

- A retrospective study of the association of multiple markers, hospitalization, and mortality in post cardiac surgery patients.
- Employed multiple analytical approaches such as descriptive statistics (Uni-, Multi-variate analysis), and inferential statistics (parametric and non-parametric tests) analytical techniques for this project.
- Manuscript under preparation:
  A systematic review of Valvular Heart Disease (VHD) epidemiology, diagnosis, and management

Mashhad University of Medical Sciences   Mashhad, Iran
Internship Project   June 2021 – July 2021
- Transcriptomics study of lung cancer adenocarcinoma (LUAD) to identify differentially expressed genes and associated pathways, potentially causal for the disease.
- I contributed to data acquirement from TCGA and GEO, differential gene expression (DGE) analysis, gene set variation analysis (GSVA), and protein-protein interaction (PPI) network analysis

Mashhad University of Medical Sciences   Mashhad, Iran
Internship Project   May 2020 – June 2020
- Investigating interaction effects between hypertension (HT) and diabetes (DM) in risk of cardiovascular diseases (CVDs).
- Variables such as BMI, pre and post fasting BP and blood glucose was measured in a retrospective baseline survey of patient with CVDs.
- Four groups of patients based on their DM and HT status were compared using chi-square test and linear regression.

HONORS AND AWARDS

- Ranked top 1% in country's University Entrance in 2016 resulted in acceptance to the Mashhad Uni. of Medical Sciences (MUMS)
  - MUMS' department of Medicine was ranked first among the Iranian universities, and the latest rankings put Mashhad University in 3rd place nationally. https://en.wikipedia.org/wiki/Mashhad_University_of_Medical_Sciences

CONFERENCES AND PRESENTATIONS

o International Congress of Airway &. Interstitial Lung Diseases - November 14-16, 2018, Mashhad, Iran
o Third International Neuroinflammation Congress and Student Festival of Neuroscience in Mashhad University of Medical Sciences June 11-13, 2019 Mashhad University of Medical Sciences
o Single Cell Biology, Wellcome Sanger Institute, Virtual 6 -8 June 2022
o Pathways in Neurodegeneration, Wellcome Sanger Institute, Virtual 6 - 8 September 2023

SKILLS

o Languages: Persian (Native), English (Fluent)
o Document Creation: Microsoft Office Suite
o Programming: Working experience of Python and Bash Scripting
o Statistical analysis: Exploratory data analysis (EDA), Descriptive statistics (Uni-, Multi-variate analysis), Inferential statistics (parametric and non-parametric tests)
o Bioinformatics Skills: Genomics and Transcriptomics Analysis (Alignment, DGE analysis, Pathway enrichment, Variant Calling)
o Familiarity with Machine learning / Deep learning methodology

o Other Skills and Hobbies
  - Graphic Sketching
  - Playing musical instrument (Piano, Guitar)