

Fathima Shaik

A Bioinformatics professional with 2 years of medical and research experience in cancer and preventive medicine by maximizing patient wellness and facility profitability.

EXPERIENCE

UAMS College of Pharmacy [Dr. Allen's Lab](#) - Research Assistant

July 2023 - Present

- Develop and maintain bioinformatics pipelines for genomics applications for analyzing the Cognitive Impairment from chemotherapy treatment with Docetaxel, Doxorubicin, and Cyclophosphamide.
- Performed PCR analysis, Tissue preparation and Molecular Assays.
- Assisted the scientists in pharmacologic approaches and creating genetic models to examine how the changes in the neuronal microenvironment (e.g. inflammation, oxidative stress) affects cognitive function.
- Analyzed the effects of a clinically relevant regimen of TAC on cognition, dendritic structure, and protein regulation within the hippocampus of female mice.

University of Arkansas at Little Rock - Graduate Assistant

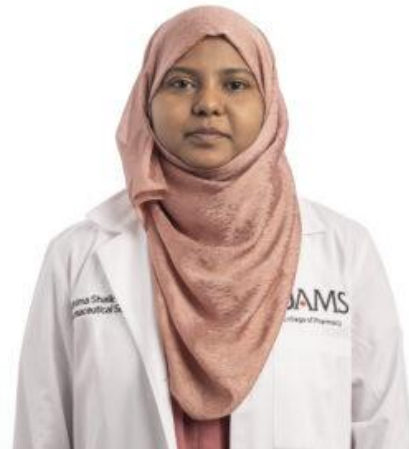
January 2023 - May 2023

- Created a ML model to identify the Heart Diseases among the patients of UAMS, analyzing the attributes using R and Machine learning.
- Performed Data Analysis on FitBit Fitness Data with R to understand and Improve the Overall Health of users using R and ggplot2.
- Performed Comparative Analysis on bacterial genomes - Rhodococcus using Genebank, R, RBioTool and ggplot2.
- Completed Collaborative Institutional Training Initiative (CITI Program) Training.

Osmania Cancer Center, Hyd - Research Assistant

January 2021 - Aug 2022

- Assisted in building and managing data needs in support of research and discovery for biological interpretation of NGS assay results.
- Streamlined and automated manual processes to improve quality, reproducibility, and access the medical records and document patient case history in detail.
- Worked with different teams of doctors and researchers for consistently and timely delivery of study and NGS assay data to drive scientific innovation.



Contact :

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Skills :

1. R, R BioTool, ggplot2, tidyverse, Tableau, RShiny.
2. Python, scikit-learn, Machine Learning,
3. Lab Behavioral scheme: touch screening, Elevated plus, Novel object recognition, western blot technique.
4. Empathetic and Courteous.
5. Strategic planning expertise.

Certificates :

1. UAMS- DLAM Handling Assessment certificate.
2. CITI Completion Certificate.

LANGUAGES:

English, Urdu, Hindi

Govt Nizamia Tibbi College, Charminar, Hyd — Medical Intern

September 2018 - September 2019

- Discuss various treatment options extensively with patients and families.
- Closely examine patients' medical history, medication allergies, physical conditions, and test results to verify the necessity of operations and to determine proper procedures.
- Maintain accurate Medical records and document patient case history in detail.
- Educate patients regarding conditions and treatment options.
- Assisted during the medical rounds in ICU and trauma units with physicians and surgeons.

EDUCATION:

Govt Nizamia Tibbi College, Hyderabad — Bachelor of Unani Medicine and Surgery.

University of Arkansas at Little Rock — Masters in BioInformatics.

CONFERENCES:

- Presented - Genomics Workshop Certificate of Completion - For successfully presenting their comparison and analysis of bacterial genomes, March 2023.
- Attended - Clinical Management of COVID 19, Harvard Medical School 2020.

