

Samim Bashir

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Summary

A committed, self-motivated, and dynamic professional with a strong foundation in corporate culture and a passion for teaching, backed by 5 years of impactful -teaching experience. Adept at fostering creativity and delivering innovative solutions, with a proven track record as a great problem solver.

Seeking opportunities to contribute to Teaching and stability while continuing to enhance professional development and expertise.

Experience

- TA in Bioinformatics Database Development, Bioinformatic Analysis, GWAS study, and Statistical Methods in Biology at COMSATS University Islamabad
- Data Analyst at Freelance (from Sep 2023)
- 3 Month Internship at DHQ Kotli. (August 2023)
- 3 Months Internship at Jinnah Hospital Lahore
- 6 Month work Experience CMA Hospital Lahore
- Work Practiced at Shoukat Khanum Hospital, Islamabad.2022-2023
- : Analyzed and interpreted complex cancer datasets to derive meaningful insights, contributing to advancements in cancer research.
- Proficient in microscopic examination of cellular samples for disease diagnosis, ensuring accuracy and reliability in laboratory findings.
- Delivered 5+ years of impactful teaching, specializing in fostering understanding of complex concepts through engaging and innovative methods.
- Skilled in navigating and enhancing corporate environments to align with organizational goals and foster positive growth.
- Demonstrated exceptional problem-solving skills and a creative mindset to design novel solutions for challenges across various domains.

Education



COMSATS University Islamabad

Master of Science - MS, Bioinformatics

Sep 2022 - June 2024



The University of Lahore

Doctor of Medical Laboratory Sciences

(DMLS)Feb 2016 – Feb 2021

Academic Research & Projects

Project | Data Analysis | In silico Analysis of Gene Expression in Liver of Hepatocellular carcinoma (HCC) and Chronic Hepatitis C (CHC) Patients Across Different Ages and Genders. December 2023.

Project | Cancer Informatics | In Silico data analysis in Cancer Informatics, novel genes in prostate cancer were identified and presented in class with Dr Farhan Haq.

Project | Proteomics | Mass Spectrometry Data analysis with Manual Validation of Mass Spectrometry and Proteomics Data analysis | Designed an Approach to analyze Mass Spectrometry Data analysis.

Courses Taught

- Bioinformatics Development
- Gene Regulation & Expression
- Biochemistry (MLT)
- Statistical Methods in Biology
- Biostatistics
- Cytology and Histopathology(MLT)
- Molecular Biology and Genetics
- Research Methodology and Statistics
- Bioenterpreneurship

Skills

- Microscopy
- Slide Analysis
- Cytological Examinations
- Bioinformatics Proficiency
- Research and Analysis
- Web Scraping
- Proficiency in Data Analysis Techniques
- Proficient in R-programming
- Python Proficiency
- Artificial Intelligence/Machine Learning Expertise
- Strong Analytical Aptitude
- Effective Presentation Skills
- Strong Communication Skill

Wet Lab Interest

- Molecular Biology
- Cytology
- Biochemistry

- Blood Bank
- Haematology
- Microbiology
- Chemical Pathology

Volunteer Experience

Build From Waste | University of Lahore

Participant | Runner-up team

2021

- Synthesis of Children's toys from plastic waste, and other waste products.
 - The theme was to build and reuse Plastic and other waste products to minimize pollution, the best idea was to build products from plastic bottles and shopping bags and teach students to use them in research projects.

Blood Collection and Blood Camp/

2022

Volunteer | Phlebotomy Services at Blood Camp for Cancer Patients/

- Safe phlebotomy Practices and Blood Collection.
- Blood Bag Handline and transfer of Bags to Blood Bank at a safe Temperature.
- Motivating and Guiding People for Volunteer Blood Donation by educating them about benefits.

Leadership Experience

BIOME Society | COMSATS University, Islamabad

Community Head

Dec. 2022 – May. 2024

Certificates

- ❖ Certificate in Health Entrepreneurship from John Hopkins University.
- ❖ CBBG (Center of Bioinformatics and Biosciences Group Lab) Bioinformatics Conference Certificate of Appreciation
- ❖ Certificate Of Achievement as Team Leader in Biome FA23 Session
- ❖ Certificate Of Appreciation as Community Head in Biome Society
- ❖ Certified In Fundamental IT skills
- ❖ Certificate Of Participation in Basic Life Support
- ❖ Certificate Of Appreciation for Presented in Idea Fusion 2020 27 Feb 2020 University of Lahore
- ❖ Certificate Of Participation Built from Waste
- ❖ Certificate Awarded for UOL Mun Intra For Outstanding Diplomacy

Research Publication

Evaluation of Proteogenomic approaches for the identification of Neuropeptides.

(Manuscript in progress)

In Silico data analysis in Cancer Informatics, novel genes in prostate cancer were identified (Manuscript in progress)

Conferences:

Participated in two conferences Organized by **Next Gen. Solutions (NGS)** at COMSATS University, Islamabad in 2020 and 2021 as well as a conference on **Bioinformatics** in 2023.

Reference

Waseem Haider, PhD (UIUC-USA)

Associate Professor (Bioinformatics)

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Department of Biosciences

COMSATS University Islamabad, Islamabad

Prof. Dr Qaisar Fatmi

Professor (Bioinformatics)

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Department of Biosciences

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Visiting Scientist

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