

# Sidra Najmul Hussain

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## CAREER HIGHLIGHTS

1. Specialization in Biochemistry and Strong Foundation in Scientific Research: Bachelor of Science in Biochemistry with coursework encompassing analytical chemistry, organic chemistry, biochemistry, and molecular genetics.  
Developed a strong foundation in scientific research methodologies, critical analysis, and problem-solving skills.
2. Proficient Laboratory Skills and Instrumentation Expertise: Skilled in a wide range of laboratory techniques, including distillations, spectrophotometry, chromatography (HPLC), and gel electrophoresis.  
Experienced in utilizing advanced instrumentation, such as infrared spectroscopy, NMR spectroscopy, and mass spectrometry, to analyze and interpret complex data.
3. Strong Analytical and Data Interpretation Abilities: Proficient in data analysis using Python and R, with a focus on statistical analysis and data visualization.  
Demonstrated ability to interpret analytical results and draw meaningful conclusions to support scientific research.

## EDUCATION

Aug 2019 — Dec 2022

Bachelor of Science: Biochemistry, University of Waterloo

Waterloo

- Minor in Mathematics with a special interest in Bioinformatics.
- Recipient of the Canadian Society for Chemistry (CSC) Accreditation Certificate, highlighting proficiency and recognition in the field of chemistry.
- Relevant Coursework: Analytical Chemistry I & II, Organic Chemistry, Biochemistry I & II, General Biology, Microbiology, Advanced Topics in Chemistry, Calculus I & II, Cell Biology, Molecular Genetics, Genomics.
- Portfolio Website: <https://sidrasidra99.github.io/>

## SKILLS

Key Laboratory Techniques

Instrumentation: Infrared Spectroscopy, NMR Spectroscopy, Mass Spectrometry

Data Analysis: Python, R, Data Visualization

Scientific Software: LIMS, Data Analysis Tools

Problem-solving: Hypothesis Testing, Experimental Design, Troubleshooting

Documentation: Microsoft Office (Word, Excel, PowerPoint)

Genetic Transformation and Tissue Culture: R&D in Controlled Environments, Sterile/Aseptic Techniques and Sample Collection

Standard Operating Procedures (SOP) Implementation

Genetic Modification (GMO)

## EMPLOYMENT HISTORY

May 2018 — Aug 2018

Junior Analyst (Intern), Mashreq Bank

Doha

- Monitored and revised assets and liabilities, ensuring accurate balance sheet updates.
- Collaborated in a small team of 5 members to provide revised financial reports, enabling effective action planning.
- Maintained precise tracking and monitoring of treasury bills, resulting in improved financial accuracy.
- Thrived in a fast-paced environment with tight deadlines, demonstrating excellent time management and prioritization skills.

May 2017 — Aug 2017

Project Support (Intern) , Dubai Carbon

Dubai

- Gained valuable experience in data entry, analysis, and reporting, consolidating information from executives and various resources to support project development.
- Applied problem-solving skills to develop creative solutions, contributing to the successful implementation of 4 projects.
- Actively participated in meaningful discussions, collaborating with a diverse team of stakeholders to advance project objectives.