

Devraj Bagchi

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Whitby ON L1P1T6

CAREER OBJECTIVE

- **Analytical Thinker:** Biochemistry and Molecular Biology background with a keen interest in Synthetic Organic Chemistry.
- **Detail-Oriented:** Committed to precision in Carbonyl chemistry, ensuring meticulous attention to data documentation, analysis, and research; ability to record and report test results to meet industry standards.
- **Adaptable Learner:** Eager to embrace new knowledge and techniques; swiftly adaptable to new scientific methods and laboratory environments; teachable, attentive listener, hard-worker.
- **Collaborative Contributor:** Demonstrated ability to work effectively in teams, contributing to shared goals while also capable of managing independent projects and tasks.
- **Analytical Person:** Ability to approach complex scientific problems with methodical and evidence-based approaches.
- **Professional Growth:** Aspiring to leverage academic knowledge in practical laboratory and scientific research initiatives within industry or academic settings; Eager to grow professionally within a dynamic and supportive team.

EDUCATION

Donald A. Wilson Secondary School, Whitby ON
Ontario Secondary School Diploma

2016 - 2019

Trent University, Peterborough ON
B.Sc. Biochemistry & Molecular Biology Honours
GPA – 3.0/4.0, 3rd Year

2020 - Present

RELATED COURSES

- Advanced Synthetic Organic Chemistry Bio
- Advanced Synthetic Organic Chemistry
- Intro Organic Chemistry I & II
- Histology
- Introduction to Genetics
- Basic Research Methods & Stats

RELEVANT LABORATORY EXPERIENCE

- **Academic Laboratory Practice:** Completed an average 12 hours per week lab sessions for two years
- **Sample Preparation & Safety:** Proficient in SOP/WI adherence, ability to raise deviations to attention to lab management, and WHMIS protocols.
- **Aseptic Technique & Biohazard Handling:** Competence in sterile techniques and environments, proficiency in handling biological compounds such as *E. coli* and *katG catalase-peroxidase*.
- **Analytical Instrumentation:** Experienced with TLC, FT-IR, ¹H NMR, GC-MS, HPLC. IEC, SEC, UV-Vis, Sonicator, pH meter
- **Sample Analysis:** Competent with SDS-PAGE, Bradford Assay, Spot Assay
- **Physical Capabilities:** Performed heavy lifting and manual labor including materials up to 45+ pounds
- **Report and Data Documentation:** Can draft QA and Lab result reports, document and visualize data
- **Lab Operations:** Skilled in Micropipetting, reflux, separations, rotary evaporation, buffer preparation, and pH testing.

TECHNICAL SKILLS

- **Statistical Analysis Software:** Proficiency in R Studio, JASP, ANOVA.
- **Front-End Web Development:** Go, HTML, Python, XMS
- **Research & Reference Management:** Skilled with Mendeley (ACS, MLA, APA), Reaxys, UniProt.
- **Productivity Software:** High competency with MS Office Suite (Word, Excel, PowerPoint, Publisher, Outlook), Google Workspace (Docs, Slides, Sheets, Drive and Calendar), Adobe Acrobat (PDF).
- **Communication Software:** Extensive usage with Zoom, MS Teams, Google Meet.
- **Computational Chemistry:** PyMOL, proficiency in utilizing AI-assisted tools and programs for chemical research, ability to employ prompt engineering in AI tools for problem-solving purposes.

WORK EXPERIENCE

Real Canadian Superstore, Loblaw Companies Ltd.

HMR/Deli Clerk

- Collaborated efficiently with a diverse team to manage deli and storefront operations, ensuring quality service to customers.
- Exhibited excellent listening skills to perform tasks requested by managers and clients.
- Displayed teachability in learning techniques and knowledge related to Deli instruments such as high-grade ovens, meat slicers, storage methods and proper sanitation.
- Strict adherence towards safety and workplace protocols
- Demonstrated critical thinking skills and time management by addressing customer inquiries and resolving issues promptly.

Peterborough, ON
April 2022 – December 2022

Whitby FC

Soccer Referee

- Maintained fair play and sportsmanship among teams; Applied critical thinking to make quick decisions in a fast-paced, high stakes environment to ensure the rules of the game and player safety.
- Communicated effectively with players and coaches to manage game dynamics and resolve conflicts demonstrating leadership and interpersonal skills.
- Participated in training camps and refereeing seminars and workshops to continuously improve and update officiating techniques

Whitby, ON
April 2023 – September 2023

VOLUNTARY | LEADERSHIP SKILLS

Whitby FC

Assistant Coach U9 – U12 Girls Soccer Team

- Fostered team unity and collaboration through effective coaching strategies, enhancing group dynamics and individual player development.

Whitby, ON
August 2016 – August 2019

- Embraced teachability and feedback to hone coaching methods and personal growth

Trent University

Trent Varsity Fencer

- Thrived under competitive, high-stakes conditions, consistently demonstrating resilience and a focused work ethic during intense training and competitive events.
- Exercised independent judgment and strategic planning in individual matches, contributing to strategic execution.

Peterborough, ON
2021 – 2022

REFERENCES

References available upon request