Abhay Katoch

📞 (+1) (647)-926-0844 | ✉ Abhay@Katoch.ca | 🔀 Abhay-Katoch | 🔗 Abhay-Katoch | 👤 katoch.ca
📍 336 Divison St., Kingston ON, K7K 4A3

Education

Queen's University at Kingston   Kingston, ON
B.Sc. (Hons.) in Biotechnology   September 2021 - Present

Experience

Research Assistant   May 2023 - December 2023
Sheth Lab | Queen's Genomics Lab at Ongwanada

- Played a pivotal role in the analysis of research projects focused on the microbiome, resulting in significant contributions as a co-author on four research papers.
- Independently designed complex data analysis involving R, Bash, and Python leveraging current literature to interpret multifaceted data.
- Collaborated with teams of MSc and PhD students, as well as research professors, to conduct novel genomic and clinical research initiatives, demonstrating adeptness in both independent and collaborative research environments.

Policy Researcher   September 2023 - Present
Oxford Biosecurity Group

- Visualized data in Python to create dynamic presentations, aiding in the interpretation and dissemination of complex research findings on antimicrobial resistance, viral modeling, and strategic respirator stockpile planning.
- Conducted comprehensive analyses of current policies pertaining to biotechnology and biosecurity, uncovering critical gaps and deficiencies, thereby informing the development of evidence-based policy recommendations.

Extracurriculars

President   March 2023 - Present
Queen's Effective Altruism

- Orchestrated the creation of a club with ~50 members, securing $3000 in grant funding to support diverse initiatives such as coordinating engaging discussion groups, orchestrating large-scale events with up to 100 attendees, and facilitating participation in conferences.

Policy Director   September 2023 - Present
Queen's University Liberal Association

- Formulated comprehensive policy proposals, shaping federal regulations concerning scientific research and healthcare systems, collaborating with ~10 people and government officials.

Sergeant-At-Arms   April 2023 - Present
Queen's Debating Union

- Won multiple international debating tournaments, including prestigious competitions at Queen's, McGill, UofT, and Yale, showcasing rhetorical prowess and critical thinking skills.

Skills

Research: Experienced in R, Python, Bash, Git, and Linux. Adept at learning new frameworks.
Communication: Experienced in communication & technical writing for various audiences.
Leadership / Independence: Independent worker and can lead teams to achieve complex goals.
Languages: English (Native), Hindi-Urdu (Fluent), French (Proficient).