

Vaibhav Kulkarni

Bioinformatics Researcher and Graduate Student

Ottawa, ON, Canada | <https://vaibhavkulkarni.bio/> | email: vybavk@gmail.com

EXPERIENCE

Master's Research Student,

Sep 2023 - Aug 2025

for Dr. Stéphane Aris-Brosou @ The University of Ottawa

Leveraging bioinformatic tools to unravel evolutionary relationships among viruses, contributing to a deeper understanding of viral species diversity.

Honors Research Student,

Sep 2022 - Apr 2023

for Dr. Jan Mennigen @ The University of Ottawa

Conducted genetic research on goldfish hypoxia tolerance, focusing on histone modifications. Designed and executed lab experiments to explore stress adaptation mechanisms.

Lab Demonstrator,

Sep 2023 - Dec 2024

University of Ottawa

Managed 4 detached weekly lab sections and grading for multiple undergraduate biology courses, implementing rigorous assessment methods to evaluate student performance accurately.

EDUCATION

Honours Bachelor of Science in Biology, Magna Cum Laude,

Sep 2019 - Apr 2023

University of Ottawa

High School Diploma Equivalent,

Sep 2016 - Apr 2018

Jai Hind College, Mumbai

CERTIFICATIONS

Compute Canada HPC Cluster Training,

Aug 2023

Workplace Hazardous Materials Information System Certification,

Aug 2022

University of Ottawa

Experimental Fish Canada Certification,

Aug 2022

Canadian Aquaculture Institute

SKILLS

Laboratory: Flow cytometry, Western blot, Microscopy, Chromatography, Cell culture

Computational: Genomics, Data Analysis, Python, R, Bash, LaTeX, Compute Canada HPC, HTML, CSS, JavaScript, Web Development and Cloud Computing

Communication: Research papers, abstracts, proposals; APA, MLA citation styles; teamwork, adaptability, presentations, leadership and knowledge dissemination.

LANGUAGES

English (proficient), Marathi (native speaker), Hindi (proficient), French (conversational)

COMMUNITY ENGAGEMENT

Professional Development Officer; Biology Graduate Students' Association,

Oct 2024 - Oct 2025

Developing career-focused workshops on risk identification, equipping graduate students with skills in resilience, academic planning, and effective career decision-making.

Graduate EDI Representative; Faculty of Science @ uOttawa

Oct 2024 - Oct 2025

Advocating for inclusivity and leading outreach to support over a 1000 underrepresented student voices at the university.

email: vybavk@gmail.com