Vaibhav Kulkarni
Bioinformatics Researcher
Ottawa, 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 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: Genomic Data Analysis, Python, R, Bash, LaTeX, Compute Canada HPC, HTML, CSS, JavaScript
Communication: Research papers, abstracts, proposals; APA, MLA citation styles; teamwork, adaptability, presentations, leadership and knowledge dissemination.
Languages: English (proficient), Marathi (native), Hindi (proficient), French (conversational)

COMMUNITY

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 underrepresented student voices.