

# Aiswarya Prasad

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## Education

### PhD in Quantitative Biology

Aug 2020 – Aug 2025

University of Lausanne, Switzerland

- Recipient of Faculty of Biology and Medicine Fellowship.
- Awarded CHF 70k Mathilde Agassiz Scholarship (1st-ranked applicant)
- Best Selected Talk, Microbiome Virtual International Forum 2024.
- Served on Faculty Hiring Committee as student representative; co-led department scientific retreat organization and advised on Basel CompBio Conference workshop strategy.

### BS + MS in Biology

Aug 2015 – July 2020

Indian Institute of Science (IISc), Bangalore

- Awarded KVPY Fellowship (top 0.3%, All-India Rank 335).
- Led editorial management for Quarks undergraduate magazine and co-organized campus-wide academic and cultural events.

## Research Experience

### Senior Researcher – Gut Microbiome & Bioinformatics

Aug 2020 - Present

University of Lausanne, Switzerland

- Designed and executed gut microbiome studies using metagenomics, resulting in 4+ peer-reviewed publications
- Built custom analysis pipelines (Python, R, Bash) and managed collaborations across India, Kenya, and Malaysia
- Reduced pandemic-related project delays by 12 months via strategic collaboration development.
- Co-developed Master's bioinformatics curriculum; student projects contributed to a peer-reviewed publication
- Presented at 4+ international conferences; recognized for clear, engaging presentations

### Master Thesis Researcher

May 2019 - May 2020

Indian Institute of Science, Bangalore

- Set up and validated low-cost, Nanopore-based microbiome sequencing pipeline at 10% traditional setup cost
- Partnered with clinicians to study gut microbiome shifts in chronic pancreatitis

## Leadership Experience

### Consulting Project Manager

May 2024 - Jul 2025

The Consulting Society EPFL, Switzerland

- Lead strategic market and pricing analysis for a bacterial diagnostics client in a 3-member senior team
- Mentored 3 junior consultants (2 staffed on client projects); Supported curation of internal training modules
- Previously delivered a GHG emissions strategy deck focused on the agriculture industry

### Assistant Co-Manager, Activator Operations

Jun 2025 - Present

Nucleate HQ

- Supporting strategy and program operations for Nucleate's flagship biotech Activator across 18 global chapters
- Drafting outreach, documentation and roadmaps for technology sourcing and operational playbooks.

### Director, Strategy and Experts Lead

Oct 2024 - Jun 2025

Nucleate, Switzerland

- Sourced 10+ domain sourcing (tech, market, regulatory)
- Advised on curriculum strategy for Switzerland's Activator cohort

### BCG Academy training

Dec 2024

Zurich, Switzerland

- Completed immersive case workshop on product strategy and customer experience in MedTech

### iGEM Delegate - United Nations Convention on Biological Diversity

Nov 2018

Sharm El-Sheikh, Egypt

- Represented iGEM and advocated for youth inclusion in global biotech policy; published reflection [here](#)