

Aiswarya Prasad

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PhD in Quantitative Biology experienced in applying a strategic approach to solve problems honed through leadership experience running a biotech accelerator program and consulting on projects for life science startups.

Professional Experience

Consulting Extern (Clinical Data & Insights) Oct 2025 - Present

Double Blind Bio, San Francisco (Remote)

- Built Python, SQL, and LLM-based workflows to convert complex data and unstructured documents into concise summaries for BD, marketing, and customer-facing materials accelerating turnaround for internal analyses.
- Synthesized insights to support thought-leadership materials targeted at clinical sites.
- Analyzed site-level patient access from internal databases to demonstrate product value for sponsor-facing business development.

Manager, Activator Operations

Jun 2025 - Present

Nucleate HQ, Boston (Remote)

- Designed operational workflows and delivered training sessions for leaders spanning 17 international regions.
- Built Airtable dashboards and automations integrating AI to streamline operations across the organization and saving 4+ hours of volunteer time.
- Used Airtable to enable data-driven outreach strategy and partnered with marketing team to create outreach materials that improved applicant engagement and experience.

Director, Strategy and Experts

Oct 2024 - Oct 2025

Nucleate Switzerland

- Interviewed and selected 5 biotech startups using structured evaluation criteria to assess their suitability for Nucleate's Activator cohort.
- Sourced 10+ technical, market, and regulatory experts to advise startups and supported the designing and execution of workshops based on curriculum guidelines for Activator program.

Consulting Project Manager

May 2024 - Jul 2025

The Consulting Society EPFL, Switzerland

- Led a 4-member team of consultants for a client project for a bacterial diagnostics startup.
- Analysed potential market opportunities and developed pricing strategy based on competitive analysis and stakeholder interviews - directly integrated into the company's pitches.
- Mentored junior consultants, provided guidance on research synthesis and presentation skills.

Leadership and Training

BCG Academy training

Dec 2024

Zürich, Switzerland

- Completed a one-day immersive case workshop on product strategy and customer experience based on a MedTech case. Invited among ~20 candidates from Swiss student consulting societies and organizations.

iGEM Delegate - United Nations Convention on Biological Diversity

Nov 2018

Sharm El-Sheikh, Egypt

- Delegate representing iGEM, an international synthetic biology organization spanning over 65 countries and a network of 86k scientists, advocated for youth inclusion in global biotech policy; co-published a reflection [here](#).

Research Experience

Graduate Researcher – Gut Microbiome & Bioinformatics

Aug 2020 - Present

University of Lausanne, Switzerland

- Designed and executed gut microbiome studies using bioinformatics, resulting in 4+ peer-reviewed publications
- Built custom pipelines (Python, R, Bash) and managed collaborations across India, Kenya, and Malaysia
- Reduced pandemic-related project delays by 12 months via strategic collaboration development.
- Presented at 4 international conferences; recognized for clear, engaging presentations

Master's Thesis Researcher

May 2019 - May 2020

Indian Institute of Science, Bangalore

- Identified and set up a low-cost, Nanopore-based DNA sequencing pipeline at 10% of the traditional setup cost.
- Managed clinical partnership and led a study identifying gut microbiome shifts in chronic pancreatitis patients.

Awards and Achievements

First-author paper featured in *Nature Communications* **Top 50 papers** in "Microbiology and infectious disease" 2025

Best Selected Talk, Microbiome Virtual International Forum

2024

Mathilde Agassiz **Scholarship** (~\$90k, 1st-ranked applicant)

2020 - 2021

Faculty of Biology and Medicine **Fellowship** (~\$70k)

2020 - 2023

KVPY **Fellowship** (top 0.3%, All-India Rank 335)

2015 – 2020

Education

PhD in Quantitative Biology, University of Lausanne, Switzerland

Aug 2020 - Aug 2025

BS + MS in Biology, Indian Institute of Science, Bangalore

Aug 2015 - Jul 2020

Interests

[Carnatic vocal music](#), [Food and cooking](#), [Crocheting](#)