

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)	
<ul style="list-style-type: none">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
Nuclease HQ , Boston (Remote)	
<ul style="list-style-type: none">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
Nuclease Switzerland	
<ul style="list-style-type: none">Interviewed and selected 5 biotech startups using structured evaluation criteria to assess their suitability for Nuclease'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	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">Designed and executed gut microbiome studies using bioinformatics, resulting in 4+ peer-reviewed publicationsBuilt custom pipelines (Python, R, Bash) and managed collaborations across India, Kenya, and MalaysiaReduced 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	
<ul style="list-style-type: none">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 <i>Nature Communications</i> 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](#)