

Ashna Nirula



EDUCATION

The University of British Columbia BC
Bachelor of Applied Science 2025-2029

EXPERIENCE

Product Eng Intern June 2025-Present
June Women's Health Toronto, ON
Helping build a holistic women's health platform for midlife/menopausal care.

Demo Content Dev June 2025-Present
Edsby Toronto, ON
Developing rich content to help the sales team pitch the broadest k-12 education system.

Scientific Writer Sep 2024-Feb 2025
Trove Biosciences Toronto, ON
With Dr Tarika, writing a technical scientific article about opportunities in CRISPR agricultural products

Data Contributor May 2024-July 2024
PhageBase Stanford University
Contributed to the largest database of phage electron micrographs, synthesizing 50+ scientific papers of bacteriophage research

SKILLS

Hard Skills: Python, HTML/CSS, Figma, CAD, Benchling

Soft Skills: Technical writing, Communication

Interests: Sustainable design, Systems engineering, Climatetech, math

MEDIA

Spoken about foodtech & sustainability:
→ [a panel](#) at the Change Leadership Conference and as [MC of the Planet Tech stage](#) at WebSummit, the world's largest tech conf

PROJECTS

Yeast Plasmid Design - making milk without the cow | [Article](#) Jan-Mar 2024
I replicated a plasmid DNA design that allows yeast to biomanufacture milk proteins without a cow with a research article about its system design

TheMondayMag.Com - celebrating everyday mundane magic | [Website](#) August 2024
TheMondayMag is a seasonal mixed media magazine celebrating the magic in the everyday mundane rather than curated fragments of real experience.

Project Manager - CAE Consulting Challenge | [Deck](#) March 2022
I led a team in a community consulting project as Project Manager to diversify the largest global pilot training company with digital twin technology.

Computer Vision TensorFlow Model - detecting crop disease | [Github](#) Dec 2021
Because of the significant economic loss of agricultural diseases, I built a CNN to classify images using drone data of late-blight affected plants with a detection accuracy of 93%.

Underwater Farming prototype - a new food method | [Video](#) April 2021
A replica of Nemo's Garden, the world's first underwater farm, I designed a prototype to grow food underwater more sustainably using hydroponics and hardware in my fish tank.