

# 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**  
*June Women's Health 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.