

ASHNA NIRULA

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EDUCATION

The University of British Columbia

Bachelor of Applied Science - Chemical and Biological Engineering

Vancouver, BC

2025-2029

WORK EXPERIENCE

Product Engineering Intern

June 2025-August 2025

June Women's Health

Toronto, ON

- Redesigned practitioner onboarding flow with a centralized automated system for key practitioner information
- Built the June Health Help Centre for practitioner training and resources
- Polished platform experience with receipt delivery, intake questions and Ask June AI Integration

Demo Content Developer

June 2025-August 2025

Edsby

Markham, ON

- Developed rich and detailed content for sales demos for classrooms from K-12 and completed new product testing & QA

Data Contributor

May 2024-July 2024

PhageBase

Stanford University

- Contributed electron micrographs to the world's largest bacteriophage database using 50+ scientific papers of research

Scientific Writer

June 2024 -September 2024

Trove Biosciences

Toronto, ON

- Wrote a scientific article about the future opportunities for CRISPR's delivery in crops with Dr Tarika Vijayaraghavan

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

Project Manager - CAE Consulting Challenge | [Deck](#)

March 2022

Led a team in a 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.

SKILLS

Python, HTML/CSS, Figma, CAD, Benchling, Technical writing, Communication

MEDIA

Spoke about foodtech & sustainability on [a panel](#) at the Change Leadership Conference and as [MC of the Planet Tech stage](#) at WebSummit, the world's largest tech conference.