TANYA PANDEY

The University of Toronto

Computational Biology Specialist and Computer Science Minor at the University of Toronto, St George Campus, Interested in research and coding, proficient in Python and currently learning Java. Seeking research/healthcare-based work opportunities.

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WORK EXPERIENCE

U OF T RESEARCH STUDENTS ASSOCIATION

Research Executive and Events Advisor | June - Current

- Helped with writing of research papers
- Helped with event organisation and reached out to a variety of organisations with an intention to collaborate.

U OF T LEARN AI

Student | 01 October, 2022 - 01 March, 2022

- Learnt AI/ML: from Regression to Neural Networks, using Python and its libraries like NumPy.
- Made a group project using NLP: an image recognition software.

YOUTH MEDICAL FORUM

Founder | 2020-2022

- Collaborated with Doctors and Researchers from across the world.
- Hosted webinars and research competitions for high school students.
- Founded **Medics Community Service Club** as an extension of YMF.

IB CHEMISTRY TUTOR

Tutor | 2020-2022

- Tutored my peers for IB Higher Level Chemistry

PROJECTS

BIOCHEMISTRY RESEARCH PROJECT

Lab research | 2020-2022

- Conducted an experiment and wrote a research paper about the effects of nutrient interactions on yeast (model tumour cells) fermentation; applied it to determine how self-prescribed supplementation can accelerate tumour growth.

HACKATHON- DEVPOST HACK CONCODE

Hackathon | November 2022

- I focused on back-end programming using Python and DialogFlow to make a ChatBot.
- Helped with generating ideas and creating the UI/UX using Figma.
- Built a website called Examlyy: to aid learning for university entrance exams.

THE PURSUIT OF SOCIAL ENTREPRENUERSHIP

Author | 2018-2021

- A Book written about my experiences volunteering across Singapore.
- Conducted interviews with children, adults and professionals.
- Dementia and DOWN syndrome patients interactions.

EDUCATION

UNIVERSITY OF TORONTO
BSc Computational Biology
2022-2026 (Canada)

OVERSEAS FAMILY SCHOOL
IB Diploma (42/45) and IGCSE
2017-2022 (Singapore)

SKILLS

- Python (backend development)
- HTML/ CSS
- UI/UX using Figma and Canva
- Google Collabs and DialogFlow
- NLP, AI/ML basics
- Scientific Research
- MAC OS X and Linux
- PyCharm, Jupyter Notebook, VS Code
- Pandas, SkLearn, NumPy, MatLab

VOLUNTEERING

- Willing Hearts Soup Kitchen
- National Kidney Foundation
- Dementia Singapore
- Food from the Heart
- Lions Nursing Home
- Krishna's Kitchen