

KRISH CHHAJER

89 Chestnut Street, Toronto, Ontario M5G 1R1

☎ +1 (437) 665 9665 ✉ krish.chhajer@mail.utoronto.ca 🔗 <https://www.linkedin.com/in/krish-chhajer-033106270>

Education

University of Toronto

Sep. 2023–May 2028

Bachelor of Applied Science in Computer Engineering (3.88/4.0 CGPA)

Toronto, ON

St. Xavier's Collegiate School

April 2011–May 2023

Indian School Certificate (ISC)

Kolkata, India

Awards

University of Toronto Engineering International Scholar Award

June 2023

Award Recipient

Complete Xaverian Award

March 2023

Award Recipient

- Nominated the best student of the year in the graduating batch of 2023 by St. Xavier's Collegiate School on the basis of exceptional academic and co-curricular record. Also received a pure gold medal, a citation and a cheque of INR 11,000.

Technical Skills

Languages: Java, C, HTML, C++, JavaScript, Python (Pandas and Numpy)

Developer Tools: VS Code, OpenCV, Jupyter Notebook

Relevant Coursework- First Year

- | | | | |
|------------------|---------------------------|----------------------------|---------------------------------------|
| • Calculus 1 | • Electrical Fundamentals | • Introduction to ECE | Practice (A team based design course) |
| • Calculus 2 | • Computer Fundamentals | • Engineering Strategies & | |
| • Linear Algebra | • Engineering Orientation | | |

Experience

MunchMate- NewHacks 2023

November 2023

Participant

- NewHacks is a beginner friendly hackathon organised by IEEE U of T for students interested in software development. I was chosen after a competitive application process to take part in NewHacks.
- I was part of the team that built MunchMate- a discord bot that aims to help students solve the issue of how to eat healthy during campus life. MunchMate analyses data from the website of Chestnut Residence, one of U of T's residences, and helps you decide on what to eat based on whether you want to gain or lose weight.
- I worked on the web scraping of the website where we used BeautifulSoup and Selenium in an attempt to web scrape the dorm's website. I also used pandas to convert data stored in the excel file to Dataframes which were later used in the algorithm part of the code.

Polygence Research Project

May 2022 – October 2022

Research Mentee

- Research topic- "Can an Artificial Intelligence Neural Network distinguish between images of two people, where one is wearing a mask and the other isn't?"
- Explored various Machine Learning algorithms such as Gradient Descent and Computer Vision techniques such as Image Filtering using Convolutions which involves Median Filtering, Object Detection and Blurring/Sharpening of images.
- Explored a pre-defined PyTorch Model and dataset of images with people wearing masks (with different batches for training, validation and testing) that achieves this purpose and explained its complete training, working and approach in the paper. Also learned basics of Numpy (Python) and PyTorch coding to be able to understand the working of the PyTorch model.
- I was also given a need-based scholarship to pursue this research.

Bath International Summer School

August 2022 – September 2022

Student

- I was selected for admission in the program in Robotics Engineering where I learnt about Robotic Sensors, Image Processing in Computer Vision and Jupyter Coding.
- Built a Line Following Robot Simulation on Robotmesh.com as my final project
- I was also granted admission into University of Bath's undergraduate program for successfully completing the summer school.

Calcutta Compassionates

November 2022

Volunteer

- Organised this initiative with some friends to provide tutoring help in vernacular language for English and Mathematics to children living in slum areas of Kolkata.