

Shyamolima Debnath

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10 Crocus Street Brampton, Ontario L6X0X3

EDUCATION

- **Bachelor of Science in Computer Science**, 2015 – present (Expected Graduation: 2020) With major in French Language and Linguistics, minor in Linguistics (English) University of Toronto, Toronto ON
- **International Baccalaureate Diploma and Ontario Secondary School Diploma**, 2011 – 2015 Turner Fenton Secondary School, Brampton ON

SKILLS AND PROFICIENCIES

Microsoft Office Suite • Proficient in Python, Java • Experience with HTML, SQL • Proficient in French speaking, reading, and writing • Teamwork and collaboration • Communication and customer service • Git version control

PROJECTS

- **A.I. Ally Chatbot**, January 2017
A Facebook Messenger chatbot for people to discuss their lives anonymously and receive feedback from the chatbot based on the user's responses. An outlet to discuss mental health issues. Created using Microsoft Azure's Bot Service. Won best hack against online harassment at UofTHacks 2017
- **SiteScrubber**, November 2016 – HTML, CSS, JavaScript
Worked with my teammates to build a chrome extension that replaces inappropriate terms with less offensive words to make websites more child friendly. Is available on chrome webstore for public use. Won 3rd best hack and best hack against online harassment at LadyHacks 2016

Course Projects:

- **Warehouse simulation**, April 2017
Applied OOP concepts and design patterns to create a simulation of the events that occur in a car fascia warehouse, the system interacts with orders coming in and the warehouse workers. Reading and writing files, created Junit tests, used git version control
- **Automated puzzle solver**, March 2016 Used python to apply the concepts of recursion,

OOP, breadth + depth first search to generate puzzle solutions

- **Ride-sharing simulation**, February 2016 Used python to apply the concept of OOP in modelling a ride-sharing system
- **Twitter-verse dictionary**, December 2015 Used python to work with files, build and use dictionaries, design functions, and write unit tests, to read user data from files and generate a dictionary of profiles
- **Encryption and decryption**, November 2015 Applied knowledge of strings, lists, and files, and followed a five-step algorithm based on a deck of cards to encrypt and decrypt messages
- **Tic tac toe game**, October 2015 Used functions, if statements, variables, strings, constants, and math functions to create a program that allows one to play tic tac toe with computer

WORK AND VOLUNTEER EXPERIENCE

- **Mathematics and French Tutor, Tutor Doctor**, Brampton ON, April 2016 – Present - Helping students of all grade levels become more comfortable with math and French curriculum
- **Local newspaper delivery, Metroland**, Brampton ON, 2014 Efficiently organized and delivered the Brampton Guardian thrice weekly within the local neighbourhood.
- **Heritage Assistant at the City of Brampton**, March 2013 & 2014 Volunteered in the Heritage section of the Planning Department; organized and arranged documents relating to heritage buildings in Brampton.
- **Peel Manor Long Term Care Centre**, Brampton, 2013 – 2014 Volunteered at the Tuck Shop, maintained a record of transactions and inventory, attended to the needs of residents and customers, demonstrated interpersonal and communication skills

ACADEMIC INVOLVEMENT

MLH Involvement:

- **UofTHacks**, University of Toronto, January 2017
- **LadyHacks**, York University, November 2016
- **Marine Biology Excursion to New Brunswick**, May 2014
Participated in week-long excursion to the Huntsman Marine Science Centre, conducted research and laboratory experiments, collected data, and learned about marine life through field work, a research vessel cruise, and presentations
- **International Baccalaureate Mentorship Conference**, 2011 – 2013 Led a group of new students to the IB program in various team activities to ease their transition into high school and the IB program

AWARDS

- Best Hack Against Online Harassment – UoftHacks January 2017
- 3rd Best Hack – LadyHacks November 2016
- Best Hack Against Online Harassment – LadyHacks November 2016
- Ontario Scholar for Secondary School diploma and Cum Laude in International Baccalaureate Diploma, 2015