

HETAV PANDYA

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EDUCATION

University of Toronto - Incoming 4th year student Toronto, CA
Bachelor of Applied Science and Engineering, Computer Engineering *GPA: 3.97* Sep 2019 - May 2024

INTER-PERSONAL EXPERIENCE

Board of Director Representative - ECE Department Toronto, CA
Engineering Society (EngSoc) BoD Rep May 2022 - Present

- Was elected to represent 700+ students at the highest level of student governance at EngSoc
- Make informed executive decisions that directly impact the operation of the Society that provides services to a student body of 5500+ students

F!rosh Week Toronto, CA
Orientation Leedur September 2022

- Lead the zeta cohort of 20-25 students to the Toronto City Center to take a splash!
- Organized in-person games with a custom rant to make the ZETA the best frosh group!

Engineering Outreach, University of Toronto Toronto, CA
Content Specialist Feb 2020 - May 2020

- Designed two courses to teach high school students basics of computer vision.
- Planned in-person activities for students to have explore UofT campus while learning alongside.

GitHub Campus Expert, University of Toronto Toronto, CA
Campus Expert May 2022 - Present

- Work with UofT clubs to help support under-represented communities in tech.
- Help new clubs to secure sponsorships and provide them support to thrive at UofT.

UofT Machine Intelligence Student Team Toronto, CA
Co-President July 2021 - July 2022

- Managed a team of 180+ active members spread across nine departments.
- Driving collaboration with different clubs and organizations like the Engineering Hatchery, UCL Artificial Intelligence Society, AI@MIT, Harvard Open Data Project and many more.
- Organized 8 major events and multiple minor workshops during my tenure of 12 months.

WORK EXPERIENCE

Intel Canada - [Data Center and AI Team] Toronto, CA
Software Engineering Intern May 2022 - Aug 2023

- Leading two projects aimed at introducing new features in the next release of Quartus Prime in 2023 Quarter 2.

Bell Canada - [Big Data and AI Team] Toronto, CA
Data Scientist Intern May 2021 - Aug 2021

- Developed an automated system to detect potential flaws in new version releases, reducing detection time from 3 weeks to 15 minutes. Results were shared using MicroStrategy BI.

General Motors Canada (GM) Toronto, CA
Machine Learning Model Developer May 2021 - July 2021

- Worked with the R&D team of GM to develop a custom machine learning model to accurately measure dimensions with an error margin of 2.5% in real time

Faculty of Information, University of Toronto Toronto, CA
Data Analyst Research Intern Jan 2021 - May 2021

- Worked with Prof. Lyons and Prof. Alexopoulos to analyze the effects of digital technologies on the future path of job creation and disruption.

SKILLS

Soft skills:	Conflict management, crucial conversations, event planning
Programming Languages:	Python, C++, C, Perl, TCL, bash, R
Machine Learning:	TensorFlow, OpenCV, PyTorch
Data Analysis:	Hive, Impala, Trino/Presto SQL, MATLAB, MicroStrategy BI, Hadoop
Project Management:	JIRA, Confluence, Agile - SCRUM, Git, GitHub

PROJECTS

ECE-Hustler <i>C language, ARM Assembly, DE1-SoC board</i>	https://tinyurl.com/d38wrur3
In this game you are an ECE student in the 4th semester at UofT trying to dodge the hurdles we faced! It is an obstacle course compiled using the ARM processor and displayed on a VGA display.	
E-Motion <i>Python, OpenCV, Selenium</i>	https://tinyurl.com/cyhtt8jr
A computer vision suite that enables users to play games, read e-books and listen to music using hand gestures. It secured the second place at UofT Hacks VIII	
COVID-19 InfoBot <i>Python, Selenium, Speech Recognition</i>	https://tinyurl.com/ub8uyavj
A voice assistant that provides users with credible and updated information regarding the COVID-19. It won the Wolfram award at the Hack_The_Virus Hackathon.	
Hands2Ears <i>Python, OpenCV, Speech Recognition</i>	https://tinyurl.com/65ftaddu
A neural network model that helps converting sign language (ASL) to speech in real time. It was chosen as the Bloomberg Challenge winner and second best project in NSBE Hacks 2020.	
Magnum Opus <i>Python, Neural Style Transfer, OpenCV</i>	https://tinyurl.com/8j9hs2hx
My personal journey of finding “art in mathematics” and “mathematics in art”.	

AWARDS

Microsoft Discover AI Challenge on AI Ethics - First Prize	Microsoft
Recognized for the AI Ethics Pipeline built during the Hackathon.	June 2021
University of Toronto Dean's Honor Award	University of Toronto
Awarded for my consistent academic standing above 3.5 GPA in all semesters.	May 2021
Edward S. Rogers Dept. of Computer Eng. Top Student Award	University of Toronto
Awarded for being amongst the top three students in the Department of Electrical and Computer Engineering.	Sept 2020
Wallberg Undergraduate Scholarship Award	University of Toronto
Awarded for being amongst the top four students in the Faculty of Engineering, based on academic performance.	Sept 2020
UofT Hacks VIII - Second Prize	UofT Hacks
Recognized for my project E-Motion and my work on computer vision enabled remote monitoring and control.	Feb 2021
Wolfram Award	Hack The Virus Hackathon
Recognized for my project COVID-InfoBot based on speech controlled information system.	Aug 2020
NSBE Hacks 2020 - Second Prize	NSBE UofT
Recognized for my project Hands2Ears, real time ASL to speech conversion.	Feb 2020
Bloomberg First Time Hack Winner	Bloomberg
Recognized for my project Hands2Ears at NSBE Hacks 2020.	Feb 2020
State Topper	Central Board of Secondary Education
Awarded for receiving the highest grade in the province/state of Gujarat for the Annual Grade-12 Examination in India.	March 2019
University of Toronto International Scholar's Award Scholarship	University of Toronto
This prestigious award is provided to students who demonstrate excellence in academics and a strong desire to learn by participating in a wide range of extracurriculars.	May 2019