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SHIVAM TANEJA

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EMPLOYMENT

DeltaHacks V, Volunteer	**McMaster University**	**Winter 2019**

- Duties include but not limited to, helping hackers with their core ideas, how to rectify problem or just any help with hacker's code.

Team Member/ Volunteer	**Able Youth NGO**	**Oct 2016 – May 2017**

- Improving the quality of life for people living in villages in general, with a specific focus on assisting orphans, widows and their children, by offering medical services, education, and vocational activities in an environment that is affordable, congenial and rural based.

IT Head	**Manav Rachna International School**	**August 2016 – March 2017**

- Improving the quality of life for people living in villages in general, with a specific focus on assisting orphans, widows and their children, by offering medical services, education, and vocational activities in an environment that is affordable, congenial and rural based

EDUCATION

Hamilton, ON	**McMaster University**	**Fall 2017 – April 2021**

- Enrolled in B.A.Sc. in Computer Science, April 2021.
- Undergraduate Coursework: Software Foundations; Computer Architecture; Algorithms; Programming Languages Comparison of Learning Algorithms; Computational Theory; Calculus I; Discrete Mathematics II.

TECHNICAL EXPERIENCE

Projects

- **ASM Sorting Algorithm** (2018). Using NASM and makefile to create a randomly filled array and sorting it after every iteration. Assembly Language (ASM)
- **TruPhase** (2018). Uses BOSE's API, python as back end language, and Arduino's microphone to record device's output sound for any depreciation by playing preset frequency and comparing with predetermined database. Python
- **Math library:** (2017). Using Haskell to create a math arithmetic library that can compute
- **MacChat:** (2016-2017). Using PHP and Unix to create a real-time chat system between two participants

ADDITIONAL EXPERIENCE AND AWARDS

- **Challenge Winner (2018):** Won BostonHack's OneDB challenge that uses OneDB cloud service to perform multiple algorithm.
- **Math 1ZA3 (2017):** Grade A in Engineering Math
- **COMPSCI 2S03 (2018):** Grade A in Principles of Programming
- **Scholar (2015 - 2017):** Awarded for Extraordinary sports accomplishments.

Languages and Technologies

- Assembly Language - NASM; C; Java; Python; SQL; Linux/Unix server; Bash Scripting; make; LaTex; Django
- Final Cut PRO; Microsoft SQL Server; Eclipse; XCode; Jupyter Notebook, TeX

Links

- tanejs4.github.io./