

Anoushka Pathak

Candidate for Honours Mechatronics Engineering - 1A

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<https://nikpath.github.io/>

SKILLS SUMMARY

- Programming languages: Python, C++, HTML+CSS
- Graphics and Design: AutoCAD, Solidworks
- Tools: Atom, XCode, Matlab, MS Office

PROJECTS

Personal website..... Sept 2018

- Created and published a personal website using HTML and CSS to learn and develop web designing skills

Online game development..... July 2018

- Created simple user input based games/programs such as Battleship, Madlibs, and a RGB to HEX convertor using python

Mechatronics robot..... Sept 2018

- Designed and built a robotic arm that lifted and placed small items on hooks and shelves with accuracy and precision using Tetrix kits and pneumatics.

EXPERIENCE

Member of BioMechatronics Club..... Sept 2018

- Printing, assembling, and refining 3D printed prosthetic hands
- Gained experience with 3D printing, assembly, simple machining, CAD & online part sourcing

Member of FIRST robotics team (2702 Rebels)..... Jan - Apr 2018

- Built and assembled components of the mainframe/structure of the robot in a machine shop.
- Worked in a team to develop ideas on how the robot would lift itself and a large weight approx. 7ft upward.

EDUCATION

Mechatronics Engineering..... Sept 2018 - 2023

- Digital Computation (C++, RobotC)
- Engineering Graphic and Design (AutoCAD, SolidWorks, orthographic projection, GD&T)

Cameron Heights C.I..... Sept 2014 - 2018

- Graduated with the International Baccalaureate Diploma, a rigorous, global standard curriculum completed in grade 11 and 12.

EXTRA-CURRICULARS

DECA Business competition..... 2017-2018

- Reached provincials twice in a role-playing business competition

Member of Youth Activity Council for Kitchener Public Library..... 2017-2018

- Worked in a team to organize and promote the annual library Christmas party and developed programs to be implemented for youth