DIVY PATEL

1st year engineering student with a strong background in programming and computer systems. Problem solver and strong communicator eager to prove my talent. Looking for a role where I can grow and learn while applying and expanding my skillset.

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SKILLS

Python - Advanced (NumPy, PyGame, PyQt)
HTML, CSS, JavaScript
C/C++, Arduino
Unix, Git, GitHub
Object Oriented Programming
MATLAB
Microsoft Excel

WORK EXPERIENCE

Software Developer | UBC Thunderbots | Engineering design team *Sept 2021 – Present*
- Collaborated with a team of 8 to develop AI visualizer using Python.
  - Researched and prototyped potential solutions for visualization.
  - Developed communication interface and visualization layers.
- Implemented software tests for various parts of robot AI.
- Peer-reviewed code to locate bugs and improve efficiency.

TECHNICAL PROJECTS

Automated Browsing Bots *Jan 2021 – Present*
- Utilized knowledge of Python and JavaScript to program bots ranging from automating trivial tasks to flooding online forms.
- Distributed iClicker automation bot to classmates.

Web Development | Personal Website | *divy07.tk* *Apr 2021 – Aug 2021*
- Created a multi-page website using HTML and CSS from scratch.
- Hosted the website using GitHub Pages and regularly updated it with additional features.

Game Development | Pong | *github.com/divy-07/Pong_python* *May 2021 – Aug 2021*
- Constructed Pong using Python and the PyGame library.
- Utilized object-oriented programming to generate readable and efficient code.
- Implemented different modes and dynamic difficulty levels to the game.

EDUCATION

Bachelor of Applied Science | University of British Columbia | Vancouver, BC
First Year Engineering | Average: 93.9% | Expected Graduation: May 2025

Alberta High School Diploma | Harry Ainlay High School | Edmonton, AB
Average: 94.4% | Graduated June 2021 | IB certificate | Honors with distinction

INTERESTS
- Programming, Robotics, Driving, Formula 1