

# Ishaan Pathak

479 Ivy Court, Apartment 170  
East Lansing, Michigan, U.S. 48823  
+1 (724)-205-2383 | pathakis@msu.edu

## Education

---

<b>Michigan State University, East Lansing, M.I.</b> Bachelor of Science, Data Science Major GPA – 3.0	<b>May 2022 (Expected)</b>
--	----------------------------

<b>Michigan State University, East Lansing, M.I.</b> Bachelor of Science, Physics Major GPA – 3.0	<b>May 2022 (Expected)</b>
---	----------------------------

## Experience

---

<b>Undergraduate Learning Assistant (MTH/CMSE - 314)</b> Dept. of Computational Mathematics, Science and Engineering, MSU	<b>January 2021 – July 2021</b>
--	---------------------------------

- Work alongside 2 other instructors in a flipped classroom setting.
- Hold weekly office hours to answer student questions and clear their doubts regarding the course material.
- Explain relevant concepts to the assigned breakout groups during class sessions.

<b>Student Grader</b> PIRE Research Program, Department of Education – Hannah Chair, MSU	<b>August 2019 – June 2020</b>
---	--------------------------------

- Graded and rated student responses to high school physics questions to provide raw data for training the Neural Network to help automate grading process.
- Participated in intradepartmental meetings to assess progress and

<b>Biomedical Team Leader</b> MSU STARX Team (STrength Augmenting Robotic Exoskeleton)	<b>May 2018 – May 2020</b>
---	----------------------------

- Worked on EMG and Gyroscopic sensors and gathered their relevant data for analysis.
- Supervised 3 sub-teams under the STARX Biomedical team.
- Worked on creating a machine learning algorithm which accommodates the suit's motion to the pilot's gait.

<b>Undergraduate Learning Assistant (PHY-183/231)</b> Dept. of Physics and Astronomy, MSU	<b>August 2017 - December 2017</b>
--	------------------------------------

- Held weekly meetings to assess student progress and mastery over concepts.
- Held consulting & office hours weekly, assisting students with specific difficulties in class material and assignments.

## Skills

- 
- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"><li>• Python</li><li>• C++</li><li>• SQL</li></ul> | <ul style="list-style-type: none"><li>• MATLAB</li><li>• Data Analysis &amp; Visualization</li></ul> | <ul style="list-style-type: none"><li>• Machine Learning</li><li>• Teamwork and Leadership</li></ul> |
|--|--|--|