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# ABHAY SINGH THAKUR

## EDUCATION

<b>Purdue University</b> , West Lafayette, IN	May 2023
Bachelor of Science in Computer Science and Data Science	
Concentration: Cybersecurity & Machine Intelligence	
CGPA: 3.34	
Dean's List and Semester Honors (Fall 2019, Spring 2020, Fall 2020)	
<b>Emirates Future International Academy</b> , Abu Dhabi, UAE	April 2019

## SKILLS

**Programming Languages:** C, C++, C#, Java, Python, HTML, CSS, JavaScript, R, SQL, Shell Scripting (Bash)

**Tools and Frameworks:** Git, MongoDB, AWS, Bootstrap, Node.js, Django, React

## PROJECTS

<b>BoilerMake VIII</b> <i>Purdue University, West Lafayette, IN</i>	January 2021
Created a web-app to track users' water usage and generate a comparative report using Django and JS/CSS/HTML   Frameworks used: Dug, Sass and Bootstrap   <i>Link: <a href="https://waterudoing.tech/">https://waterudoing.tech/</a></i>	
<b>NASA Space Apps Challenge 2020 Participant</b> <i>Universal Event</i>	October 2020
Developed a solution for the "Spot That Fire V3.0 Challenge" with a group	
<b>Hello World Hackathon</b> <i>Purdue University, West Lafayette, IN</i>	September 2019
Worked with a team to develop an app to help locate lost bikes on college campuses using location indexing	
<b>C++ Project</b> <i>Abu Dhabi, UAE</i>	Fall 2018
Designed a rudimentary Student Portal with an integrated minigame (Snake) using C++	
<b>Runners Up, Regional Robotics Competition</b> <i>Abu Dhabi, UAE</i>	January 2018
Ideated and built a SumoBot for the BotBattle Event in the Regional Robotics Competition	

## LEADERSHIP EXPERIENCE

<b>Operations Head</b> <i>Cricket and Social Outreach (CASO) at Purdue University</i>	April 2021 - Present
<ul style="list-style-type: none"><li>Working with other board members to plan and organize weekly events and cricket games</li></ul>	
<b>Boiler Gold Rush Team Leader (Student Orientation 2020)</b>	April 2020 – August 2020
<ul style="list-style-type: none"><li>Had an opportunity to lead incoming freshmen through Purdue University's student orientation</li></ul>	
<b>School Head Boy</b>	April 2018 – April 2019
<ul style="list-style-type: none"><li>Led the Student Core Council in organizing annual events and managing general discipline</li><li>Improved communication between school administration and students to boost information flow</li></ul>	

## EXTRACURRICULARS

<b>Member, b01lers (Purdue Capture the Flag)</b> <i>Purdue University, West Lafayette, IN</i>	January 2021 – Present
Applying practical skills in web security, system security, reverse engineering, cryptography, and forensics to compete against other schools and teams in Capture-the-Flag competitions	
<b>Member, School IT/Robotics Club</b> <i>Abu Dhabi, UAE</i>	April 2014 – April 2017
Improved upon previous designs of the Rubik's CubeSolver getting average solve times to under a minute	