ABHAY SINGH THAKUR

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EDUCATION

Purdue University, West Lafayette, IN   May 2023
Bachelor of Science in Computer Science and Data Science
Major GPA: 3.66
Concentration: Software Engineering & Machine Intelligence
Dean's List and Semester Honors (Fall 2019, Spring 2020, Fall 2020)
Coursework: Systems Programming, Data Structures and Algorithms,
Object Oriented Programming
Emirates Future International Academy, Abu Dhabi, UAE   April 2019

WORK EXPERIENCE

Undergraduate Teaching Assistant *Purdue University, West Lafayette, IN*   August 2021 – Present
Grading student assignments, holding office hours, and developing course curriculum
for the Freshman Tools course, CS193
Boiler Gold Rush Team Leader (Student Orientation 2020)   April 2020 – August 2020
Led a group of 14 incoming freshmen through Purdue University's student orientation

PROJECTS

Movie Magpie   July 2021
Built a basic React app to give movie recommendations based on user-defined parameters
Packages used: Material UI, Formik
Water-U-Doing? *Purdue University, West Lafayette, IN*   January 2021
Created a web-app at BoilerMake VIII to track users' water usage and generate a comparative
report using Django and JS/CSS/HTML | Frameworks used: Dug, Sass and Bootstrap
NASA Space Apps Challenge 2020 *Universal Event*   October 2020
Developed a solution for the "Spot That Fire V3.0 Challenge" to help identify forest fires using
TFLearn and satellite data from the European Space Association
Hello World Hackathon *Purdue University, West Lafayette, IN*   September 2019
Worked with a team to develop an app to help locate lost bikes on college campuses using
location indexing

ACTIVITIES AND ORGANIZATIONS

Operations Head, Cricket and Social Outreach (CASO) *West Lafayette, IN*   April 2021 – Present
Collaborating with other board members to plan and organize cricket tournaments
and weekly social events
Organizer, Purdue Hackers *West Lafayette, IN*   September 2021 – Present
Planning and executing event ideas while being part of the Web Dev team
Mentor, Hello World 2021 *West Lafayette, IN*   September 2021
Assisted participants with their projects during Purdue University's annual
Freshman-only Hackathon
Member, b01lers (Purdue Capture the Flag) *West Lafayette, IN*   January 2021 – Present
Applying skills in web security, cryptography, and forensics to compete in
Capture-the-Flag competitions

SKILLS

Programming Languages: C, C++, Java, Python, HTML, CSS, JavaScript, R, SQL, Shell Scripting (Bash)
Tools and Frameworks: Agile Development, Git, MongoDB, AWS, Bootstrap, Node.js, Django, React