

PRAKHAR VERMA

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SUMMARY:

Passionate and innovative computer science student with a strong technical skill set and proven leadership. Successful track record leading high-school clubs (500+ members) and holding executive roles in university robotics and computer science clubs. Enthusiastic about programming, robot building, and mentoring students. Demonstrated ability to quickly learn and deliver high-quality code within deadlines. Thrives in collaborative environments and excels independently.

EDUCATION:

Purdue University Fort Wayne, IN
Computer Science | Bachelor of Science | Minor in Mathematics
Dean's List | Honor's Student | Honor's List

May 2027
GPA: 3.59

WORK EXPERIENCE:

- CODEDAY**- Regional Manager: 04/2023 - Current
 - Organized CodeDay Hackathon in Lucknow (1500+ Participants) ([Link](#)).
 - Workshops on learning python, Arduino hardware & Machine Learning model.
 - Monitored online presence of CodeDay to engage with new students and answered queries.
 - Developed diverse marketing content for social media, including text, images, videos, blogs, and ads.

RECENT PROJECTS:

- TRONOOMEGA**- | Python | Java | Arduino | Open CV ([GitHub](#))
 - Achieved 2nd place at University of Waterloo, recognized for innovation, practicality, and potential impact.
 - Developed a sophisticated Python and OpenCV system for real-time traffic signal recognition.
 - Implemented collision avoidance using camera and ultrasonic sensors, dynamically adjusting trajectory for safety. ([Link](#))
 - Project poised to revolutionize racing industry and contribute to global road safety through applications in autonomous vehicles.
- OFFICE ESCAPE**- | Unreal Engine| C# | Blueprint | Meta Human ([GitHub](#))
 - Core game development engine for creating immersive 3D environments.
 - Leveraged Unreal Engine's Blueprint visual scripting system for rapid and intuitive game development.
 - Implemented scripting languages for AI behavior, character interactions, and dynamic events.
 - Leveraged Unreal Engine capabilities to create a dynamic eyesight area for the boss character.
 - Integrated C++ programming language through Blueprint where advanced scripting and low-level control were necessary.
- PORTFOLIO WEBSITE**- iprakharv.com

ACTIVITIES & LEADERSHIP:

- Vice-President of Purdue FW Robotics Club:** 09/ 2023 - Current
 - Developed and enacted communication strategies to inform members about club activities & opportunities.
 - Identified skill gaps, collaborated on students, and enhanced crucial technical and soft skills required in robotics.
- Secretary of Computer Science Projects Club:** 10/ 2023 - Current
 - Organize club meetings by scheduling dates, venues, and times, ensuring availability for all members.
 - Assist in planning and executing club events by collaborating with event organizers.
 - Contribute to promoting club activities by developing promotional strategies to increase interest and participation.
- Founder of robotics team- Team Agni:** 07/2016 - Current
 - Involved 300 students and developed robots for various competitions.

Awards & Honors:

 - 1st Place, Robo War, [Robotex India](#) (200k+ participants).
 - 6th Place, [Techfest](#)- Infrared based Line following robot.

HONORS & AWARDS:

- Letter of Commendation, **Defense Minister of India** for excellent academic performance nationally. ([Link](#))
- 1st Place, Robo War, [International Robotics Competition](#) at Indian Institute of Technology, Bombay.

SKILLS:

- Java (Native/ JUnit), Arduino, Raspberry Pi, Python & C++ (Beginner proficiency), Flutter (Dart), Blueprint, Meta Human.