PRAKHAR VERMA

Fort Wayne, Indiana | +1 (952) 219-1256 | iprakharv@gmail.com | LinkedIn | GitHub

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 **May 2027**
Computer Science | Bachelor of Science | Minor in Mathematics GPA: 3.59
Dean's List | Honor's Student | Honor's List

WORK EXPERIENCE:

1. **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.

ACTIVITIES & LEADERSHIP:

1. **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.

2. **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.

3. **Founder of robotics team- Team Agni**: 07/2016 - Current
   - Involved 300 students and developed robots for various competitions.
     Awards & Honors:
     - 1st Place, Robo War, International Robotics Competition (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, Python & C++ (Beginner proficiency), C#, Blueprint, Meta Human.