

# PRAKHAR VERMA

Fort Wayne, Indiana | +1 (952) 219-1256 | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## SUMMARY:

- Passionate computer science student with technical expertise.
- Led large high-school clubs (500+ members); executive in university tech clubs.
- Enthusiastic about coding, robotics, student mentorship.
- Quick learner; delivers quality code on time.

## EDUCATION:

Purdue University Fort Wayne, IN

May 2027

**Computer Science | Bachelor of Science** | Minor in Mathematics

Dean's List | Honor's Student | Honor's List

## WORK EXPERIENCE:

1. **CODEDAY**- Lucknow Core Team: 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.
2. **Medical Informatics Engineering**- Software Development Intern: 04/2024 - Current
  - Working on developing a flutter application for the organization.
  - Designed and developed the organization's security system using Raspberry Pi & ESP32.
  - Used Python to integrate the app and the security system.

## RECENT PROJECTS:

1. **TRONOOMEGA**- | Python (Open CV) | C++ | Arduino | ([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.
2. **MAILMARK (in collaboration with [Akif M.](#))** | Flutter, Firebase, Dart
  - Developing a branding assistant on Android and iOS using Flutter and Firebase.
  - Generates branded content based on user-input details.
3. **SAFEFALL** | Python, OpenCV ([GitHub](#))
  - A real-time fall detection system using OpenCV to enhance patient safety in hospitals.
  - implemented advanced image processing algorithms to detect sudden patient falls and immediately alert medical staff.
  - Automated patient monitoring, reducing nurse workload and improving response times for fall incidents.

## 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.
  2. **Secretary of Computer Science Projects Club:** 10/ 2023 - Current
    - Organize club meetings by scheduling dates, venues, and times, ensuring availability for all members.
  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, [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.