Prakhar Verma

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Education

Purdue University *May 2027*
Dean's & Semester Honor's List — Honors College *Indiana*
B.S. in Computer Science, Minor in Mathematics **4.0 GPA**
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Java Programming, Discrete Mathematics, Computer Architecture, Linear Algebra, Analytic Geometry, Calculus.

The National Society of Leadership and Success (NSLS) *December 2023 - Present*
Nominated Member *Fort Wayne, IN*
Selected by Purdue for membership based on excellent academic standing and leadership potential.

Experience

Google Developer Group *July 2024 - Present*
Campus Organizer *Fort Wayne, IN*

- Organized Google technology-focused events, planning 25+ technical workshops annually to increase active participation.

- Collaborated with Google developers on sessions for Android, AI, web APIs, and cloud services.

- Launched a mentorship program linking 10,000+ students with industry pros for skill development.

Medical Informatics Engineering, Inc. *May 2024 - Present*
Software Development Intern *Fort Wayne, IN*

- Developed AES-encrypted IoT access control system using Raspberry Pi 5 and ESP32, integrated with Apple Wallet for secure user authentication.

- Created a real-time voice transcription system using ASR technologies like Google's Speech Recognition, Mozilla's DeepSpeech, and OpenAI's WhisperAI, improving transcription accuracy and efficiency.

Purdue FW Robotics Club *October 2023 - Present*
Vice-President *Fort Wayne, IN*

- Led the club in developing and implementing robotics projects using Arduino and OpenCV, enhancing practical engineering skills among members.

CodeDay *April 2023 - Present*
Regional Manager *Seattle, WA*

- Led multiple hackathons across India, drawing 5000+ high school students across events.

- Hosted 50+ workshops on Python, Git, and transformer AI models, enhancing skills for 300+ attendees.

Projects

SafeFall — OpenCV, MediaPipe, PyTorch, JavaScript, HTML5, CSS, Vercel, Raspberry Pi *May 2024*
People's Choice Winner- Regeneron

- Created SafeFall with OpenCV, aiming to enhance fall detection accuracy by 30%.

- Utilized MediaPipe and PyTorch for real-time pose analysis, reducing false positives by 25%.

  SkyCanvas — Flask, Python, HTML, JavaScript, OpenCV   *April 2024*

- Developed software that processes drone positioning data in real-time, achieving 95% accuracy.

- Implemented a Flask-based control platform, boosting user interaction efficiency by 30%.

Honors & Awards

- Letter of Commendation, Defense Minister of India - top 3% academic performance nationally.

- 1st Place Robotex India - RoboSumo, 1st Place Robo War - Robotex India, 1st place TechFest Zonal 2020.

Skills

Languages: Java, Python, C++, Dart, Blueprint, Swift, HTML5, JavaScript, CSS3, Bhai-Lang, LaTeX, Bash
Tools & Frameworks: Arduino, Raspberry Pi, ESP32, Firebase, Flutter, PyTorch, OpenCV, Flask, Git, IoT, Automation
Operating Systems: Linux, Ubuntu, macOS, Windows, Raspbian