

DEVANSH RAI

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EDUCATION

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| VELLORE INSTITUTE OF TECHNOLOGY <i>B.Tech. in Computer Science 8.0 GPA</i> Relevant Coursework: Data Structures and Algorithms, Object Oriented Java Programming, Discrete Mathematics, Computer Architecture, Linear Algebra, Calculus. | INDIA May 2027 |
| Eureka Club Bhopal, India Core Member – Technical Team | March 2024 – Present |
| IoT Club Bhopal, India Core Member – Designing Team | March 2024 – Present |

EXPERIENCES

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| Google Developer Group <i>Student Developer</i> • Participated in a mentorship initiative that linked numerous students with experts for skill-building opportunities. • Assisted in coordinating Google tech events, contributing to the setup of various technical sessions. | Bhopal, India March 2024- Present |
| CodeDay <i>Social Media Manager & Volunteer</i> • Supported the execution of hackathons, engaging 2000+ high school students. • Promoted and facilitated 50+ workshops on Python, Git, and AI transformer models, helping 300+ attendees enhance their technical skills. • Assisted with event logistics and collaborated with sponsors to ensure smooth operations. • Managed the social media presence of CodeDay Lucknow, growing community engagement and increasing awareness of events and initiatives. | Seattle, WA April 2023- Present |
| VIT Robotics Club <i>Core Member</i> • Led robotics projects that improved members' practical engineering and problem-solving skills . • Applied experience building autonomous and sensor-based robots to effectively mentor and guide members. | Bhopal, India February 2024- Present |

PROJECTS

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| TronooMega <i>Python, Java, Arduino, OpenCV</i> <i>2nd Position- IARRC 2019- Uni. Of Waterloo</i> • Designed an Arduino-based collision avoidance system, enhancing vehicle trajectory adjustments by 25% in complex environments. • Secured 2nd place in RoboRace at the University of Waterloo with a system detecting traffic lights and pedestrians using real-world data. • Improved autonomous vehicle safety by integrating precise sensors, with the potential to significantly reduce road incidents. | March 2019 |
| GestureTune <i>Python, OpenCV</i> • Developed a hand gesture-based system for seamless volume control using real-time computer vision. • Utilized Python and OpenCV for gesture recognition, enabling precise, touchless interaction with audio systems. • Integrated sensor technology for detecting hand movements, ensuring smooth and intuitive volume adjustments . | May 2024 |
| XOXO Duel <i>Flutter, Dart, Swift, C++, CMake, Ruby</i> • Tic-Tac-Toe is a digital version of the classic strategy game where two players align X's and O's on a 3x3 grid. • The project is built using Flutter , enabling a seamless cross-platform experience for both Android and iOS users. • It features a clean UI with responsive gameplay , ensuring smooth interaction and a modern design. | May 2024 |

HONORS & AWARDS

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| • <u>Letter of Commendation</u> , Defense Minister of India- top 3% academic performance nationally. |
| • 1st Place Robotex India- RoboSumo, 1st Place Robo War- Robotex India, 1 st place TechFest Zonal 2020, 1 st place- RoboRace Entente 2022, Judge's Choice IARRC 2019- Uni. Of Waterloo , 6th Place Techfest_2021. |

SKILLS

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| • Languages | Java, C, C++, Python, Dart, Swift, HTML5, CSS3, JavaScript, MySQL |
| • Tools & Frameworks | Arduino, Raspberry Pi, FireBase, Flutter, OpenCV, Git, IoT, Automation |
| • Operating System | Linux, Ubuntu, macOS, Windows, Raspbian |