

# DEVANSH RAI

Lucknow, India

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## SUMMARY

Passionate about computer science with a strong technical skill set. Played key roles in the school's robotics team and computer science clubs, demonstrating adept analytical and problem-solving skills through various coding and robotics projects. Exhibited exceptional leadership and communication skills acquired through active participation in clubs and group projects.

## EDUCATION

❖ **Vellore Institute of Technology, Bhopal University** ..... Aug 2023 — Present  
*Bachelors in Technology* ..... Bhopal, India

## WORK EXPERIENCE

❖ **Social Media Manager, CodeDay Lucknow** ..... Mar 2024 — Present

- Monitored online presence of CodeDay to engage with new students and answer queries.
- Developed diverse marketing content for social media, including text, images, videos, blogs, and ads.
- Created educational, entertaining, and engaging content that increased user engagement

## PROJECTS

❖ **Maze Solving Robot- | Arduino | C++** .....

- Designed and implemented algorithms for autonomous maze navigation using an Arduino-based robot.
- Integrated sensors and actuators for real-time feedback and precise movement control.
- Collaborated with team members to troubleshoot and optimize the robot's performance in maze-solving competitions.

❖ **TROONMEGA- | Python | Java | Arduino | Open CV** .....

- 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.
- Project poised to revolutionize racing industry and contribute to global road safety through applications in autonomous vehicles.

## EXTRA-CURRICULAR ACTIVITIES

❖ **Core Member of IoT Club of VIT** ..... Mar 2024 — Present

- Managed and edited visual content for the IoT Club, ensuring a consistent and professional visual identity.
- Developed and executed visual strategies to enhance the club's brand and communication, resulting in increased engagement.

❖ **Founder of robotics team- Team Agni:** ..... Jul 2016 — Present

- Engaged with 300 students to collaboratively design and construct robots tailored for diverse competitions
- Mentored peers in designing and building the robots.

## HONORS AND AWARDS

❖ **Letter of Commendation, Defense Minister of India for excellent academic performance nationally** .....

❖ **Secured 1st Place in Robotex 2018 for the 3kg Sumo Robot category** .....