

# Utkarsh Singh

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LinkedIn | GitHub

## EDUCATION

**Symbiosis International University**  
*B.Tech in Robotics and Automation*

*Pune, Maharashtra*  
*2024 – 2028*

**Ryan International School**  
*Class XII, CBSE — 76.4%*

*Shahjahanpur, Uttar Pradesh*  
*2023 – 2024*

**Ryan International School**  
*Class X, CBSE — 92.4%*

*Shahjahanpur, Uttar Pradesh*  
*2021 – 2022*

## PROJECTS & EXPERIENCE

**MediCare (Android & AR)**

*Feb 2025*

- Built an Android AR app for emergency responders; integrated lightweight on-device image classification for component identification.
- Tech: Android Studio, TensorFlow Lite, Unity (AR), Firebase.

**Agri-Dost (Web App)**

*Mar 2025*

- Developed a farmer platform for crop planning and price prediction; implemented ML-based forecasting prototype.
- Tech: React.js, Tailwind, Flask, Firebase, scikit-learn.

**Mini Robotic Arm Controller**

*Apr 2025*

- Designed a 4-DOF arm and implemented inverse kinematics with PID joint control.
- Tech: Arduino (C++), Servo libraries, Fusion 360.

**Operations & Communication Manager — INFIDIT**

*Jul 2024 – Jun 2025*

- Led communications, client proposals, and cross-functional coordination for the startup.

## LEADERSHIP & ACTIVITIES

**President — Student Council & MUN Club, Ryan International School**

*2023–2024*

- Led a student body of 1000+; mentored 500+ MUN participants; participated and organized 50+ events and trainings.

## TECHNICAL SKILLS

- **Programming:** Python, C, C++, JavaScript
- **AI / ML & Embedded:** TensorFlow Lite, scikit-learn, microcontrollers
- **Frameworks & Web:** React.js, Flask, Unity
- **Tools & CAD:** Git, MATLAB, Fusion 360, AutoCAD

## LANGUAGES & INTERESTS

- **Languages:** English, Hindi, Nepali and German
- **Interests:** Public speaking, reading, music and gaming