

Utkarsh Singh

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[LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

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, 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