YASHRAJ KUMAWAT

IOT & ROBOTICS DEVELOPER

CONTACT

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PORTFOLIO WEBSITE

yashraj-kumawat-14.github.io/portfolio/

SUMMARY

Focused on building smart, connected systems that sense, think, and act autonomously.

EDUCATION

2021 CBSE
Class X : 77.8 %

2023 RSOS
Class XII : 65 %

Pusuing B.Tech CSE 2023 – 2027

Currently in 3rd Year, RTU

WORK EXPERIENCE

2025 — PRESENT

Freelance IoT & Robotics Developer
Designing and prototyping smart systems with hardware-software integration, focusing on automation, embedded control, and robotics for real-world use cases.

SKILLS

- PCB Designing (KiCAD)
- Part Designing (FreeCAD)
- 3-D Printing
- Arduino, ESP 32, Raspberry PI
- ROS2
- Embedded C, C/C++, Python
- Web Development (HTML, CSS, JS, Node.Js)
- App Development (Java & Block Coding)

PROJECTS

Humanoid Robot
2025 July - 2025 September
Visit my portfolio site to see it.

- A modular designed robot, made using Raspberry PI and Arduino computer and microcontroller respectively.
- It can move around, perform Namaste, Perform Dance, Talk like normal humans, Follow commands, Recognise faces.

Close In Weapon System
2025 June - 2025 July
Visit my portfolio site to see more like these.

- This is a simple prototype inspired by the Close-In Weapon System (CIWS) used on naval ships.
- It detects and tracks enemy targets—specifically red-colored objects—and automatically aims a laser pointer at them to simulate engagement.