

Pratham Suthar

Robotics Engineering Student

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Education

Bachelor of Engineering in Robotics Engineering 2022 – Present

University of Science and Technology, China

Relevant Coursework: Robotics, Mechatronics, Automation, Manufacturing Systems, Control Engineering, AI for Robotics

Experience

Factory & Manufacturing Exposure, India Summer 2023

Gained hands-on knowledge of production lines, robotics integration, and industrial automation workflows. Supported mechanical assembly and testing.

Global Exposure, China 2022 – Present

Collaborated with international peers on robotics projects, participated in industrial exhibitions, and learned Chinese business practices. Potential role bridging family import/export business with Chinese partners.

Intern – Automation Lab, Robotics Dept. 2024

Worked on automation testing projects, prototyped robotic arms using CAD tools, and assisted in developing a vision-based navigation system.

Projects

Autonomous Line-Following Robot - Designed and built a small robot capable of following complex track patterns using IR sensors and PID control. - Implemented control logic in C and simulated performance in MATLAB.

Portfolio Website - Designed and deployed a personal portfolio website with responsive design to showcase projects, resume, and achievements.

Smart Conveyor Prototype - Developed a scaled conveyor belt model with sensors for automated object detection and sorting.

Skills

Programming	C, Python, MATLAB, Arduino IDE
Robotics	Automation, Sensors, Mechatronics, Control Systems
Tools	SolidWorks, AutoCAD, LabVIEW, Manufacturing Processes
Languages	English, Hindi, Basic Chinese (Mandarin)

Achievements

- Presented a robotics prototype at an international student exhibition in Shanghai, 2023.
- Secured 2nd place in a regional CAD design competition (2022).
- Member of University Robotics Club and active participant in hackathons.

Interests

Robotics, Manufacturing, Global Trade, AI in Automation, Innovation, Traveling