

Saksham Sengar

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Education

Pranveer Singh Institute of Technology

Nov. 2021 – present

Kanpur, U.P

Bachelor of Technology in Electronics & Communication (GPA – 6.4)

K.R Education Center

Mar. 2011 – Mar. 2021

Kanpur, U.P

SSC (prec. – 72.3), HS (prec.-76.4)

Relevant Coursework

• Data Structures	• Python	-Database Management
Algorithms Analysis		-

Projects

Leaser security Alarm system

December 2023

Laser security systems are a high tech technology that used to be a part of home security only available to the wealthy. It is manually switch dependent sensors and a basic alarm unit. Laser security system a person moves in front of the motion sensor.

These distance sensors work on the basis of the Time-Of-Flight (ToF) principle, which means that the sensor emits a laser beam and receives the reflection from it. The time that elapses between sending and receiving the laser light ensures that the laser distance Sensor can internally determine the distance.

Smart Instruction Board

January 2023

- A smart board is an interactive display used by educators to whiteboard, project lesson materials, play videos, and give presentations. Rather than a simple digital whiteboard, a smart board is more like a large tablet that teachers and students.
- SMART Board software often supports popular file formats and applications, allowing users to display, manipulate, and annotate content from different sources

17 Dof Humanoid Robot

November 2023

- IA 17 DOF (Degrees of Freedom) humanoid robot is a type of robot that is designed to mimic the human body's structure and movement capabilities
- **Humanoid Design:** The robot has a human-like body structure with a torso, arms, and legs.
- **17 DOF:** The robot has 17 joints or axes that can move independently, allowing for a wide range of motions.
- **Advanced Actuation:** The robot uses advanced actuators, such as motors or hydraulic systems, to power its movements.

Technical Skills

Languages: Python, HTML/CSS, JavaScript, SQL, C++

Developer Tools: VS Code

Technologies/Frameworks: Github, React, Bootstrap

Leadership / Extracurricular

College Algorithm Club

Feb 2023 – Present

PSIT, Kanpur

Managerial head

- Led and managed the College Algorithm Club, a group of passionate students dedicated to enhancing their problem-solving and algorithmic skills.
- Organized and oversaw club meetings, workshops, and events, ensuring a collaborative and engaging learning environment for members.