

Akshat Johar

+91 98961-11979 | akshatjohar@outlook.com | [LinkedIn](#) | github.com/akjo18 | [Portfolio](#)

EDUCATION

BITS Pilani University

Bachelor of Engineering in Electrical and Electronics

- CGPA: 9.4

Hyderabad, India

Expected June 2024

SGGS

10+2

- 94 Percent

Chandigarh, India

2019-20

EXPERIENCE

Tech Team Member

Phoenix Association, Bits Pilani, Hyderabad

July 2021 – Present

Hyderabad, India

Member

Automation and Robotics Club, Bits Pilani, Hyderabad

January 2022 – Present

Hyderabad, India

Member

Department of Photography, Bits Pilani, Hyderabad

July 2021 – Present

Hyderabad, India

PROJECTS

Portfolio Website | *HTML, CSS, JS, Email JS*

December 2021 – January 2022

- A Responsive Portfolio Website which contains the detailed information about myself . Email JS is used for contact purpose.

Chat Application | *MERN Stack, SocketIO, Chakra UI*

January 2022 – February 2022

- A real-time responsive Chat Application on which users. Cloudinary was used for users to upload their profile images can send messages one on one as well as can initiate group chats.
- User Authentication and Database Management is accomplished by using MongoDB

Spherical Surveillance Bot | *Arduino, Esp32, SPI*

September 2021 – December 2021

- A remote controller surveillance bot capable of traversing on different terrains and simultaneously providing live video as well as audio feed at the base station.

Water Quality Monitoring System | *Raspberry-Pi, LoRA, ThingsSpeak IoT*

January 2022 – Present

- Real-Time water and air quality monitoring system capable of sensing and transmitting desired parameters to the base station where ML Techniques are applied to determine water quality

LEADERSHIP

Team Leader

Robothon Competition

September 2021 – December 2021

Hyderabad, India

- Was head of the team which participated in the Inter College Robotics Competition which was held at MCEME Secunderbad.
- Responsible in motivating the team as well as directly being involved to construct a bot in a short span of time

TECHNICAL SKILLS

Languages: C, C++, Python, R , Verilog, MATLAB

Frontend: HTML, CSS, JavaScript, React JS, Bootstrap

Backend: Node JS, Express JS, MongoDB

Others: Git, Arduino, ESP, AutoCAD, LTSpice, Xilinx, Assembly Language