

Bhadoriya Aryan Singh

Roll No.: 2020BEL032

Bachelor of Technology

Shri Guru Gobind Singhji Institute of Engineering and Technology

+91-9913167579

✉ aryanbofficial@gmail.com

🐙 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

•Bachelor of Technology in Electrical Engineering

Shri Guru Gobind Singhji Institute of Engineering and Technology

2020-24

CGPA: 7.1

PERSONAL PROJECTS

•ABU Robocon 2022

Robocon is an international robotics event for which our team of 30 members made two robots on the theme of Indian game of Lagori

- Being the members of Electronics team I was responsible to make PCB on prototyping board, Arduino and a little on Raspberry Pi.
- Our team achieved an AIR 6 in the pre-national round and AIR 16 in nationals.
- Technology Used: Autodesk Eagle, Proteus, Arduino, RaspberryPi, etc,

•Sentinel Drone at E-yantra organised by IIT Bombay

Engineered a drone with the precise implementation of a Proportional-Integral-Derivative (PID) control system and accurate tuning.

- This enables the drone to maintain a stable mid-air position with 95 percent accuracy also .
- Technology Used: PID, Python Programming

•Design and Development of 3D Printed Robotic Arm

Design of Robotic arm using 3D printing technology and deploying kinematic algorithms to it.

- Still in production stage: Designed completed and simulated the bot in Simulink to study the algorithm, right now in hardware stage which will be completed by December 2023
- Technology Used : CAD Designing (Autodesk Inventor), MATLAB-Simulink, Inverse and Forward kinematics,3D Printing.

EXPERIENCE

•AICTE-Idea Lab Internship

June 2023 - July 2023(6 weeks)

AICTE-Idea Lab

SGSIET

- In-depth understanding of Arduino, 3D Printing Technologies, Prototyping techniques.
- Intro to components of entrepreneurial needs like IP protection, Ideation, legals, etc.
- Guiding students and helping them with their projects on various topics.
- Hands-on experience through workshops, talk-sessions, etc. on numerous topics.

•Schneider Electric Global Student Experience

July 2023 - August 2023 (6 weeks)

Schneider Electric

Online

- Was amongst 2500 selected candidates out of a number of talented individuals around the globe
- Learned the concepts of Electricity, Power, Data Centres, Sustainability techniques, IoT usage in industries.
- Worked on project simulation which included presenting key factors for companies to adopt digital services techniques in their companies

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, MATLAB Programming, Arduino

Softwares: MATLAB-Simulink, Proteus, CAD tools

Relevant Coursework: Online courses from Mathworks,The Construct, etc

Areas of Interest: Robotics System, Electrical,Robot Operating System, Prototyping

Soft Skills: Adaptability, self-learning, team leadership, and creative thinking

POSITIONS OF RESPONSIBILITY

•Vice-Coordinator Robotics for Next Generation (RNKG)

Aug 2022 - Aug 2023

- Team lead of more than 80 active students of official Robotics club of the college, leading through various projects, events and competition.
- Worked on personal plus collegiate and departmental projects and managed bills and permissions

•Placement-Coordinator (Electrical) Training and Placement Cell, SGSIET

July 2022 - July 2023

- Looked after placement statistics of students of final year of my department and helped increasing the placement numbers by 10-20 percent.
- Managed HR, college officials and Alumni relations and organised workshops, talk session, etc.

•AICTE-Idea Lab Ambassador AICTE-Idea Lab

May 2023 - Aug 2023

- built an environment so that the students could take active part in various activities related to learning by doing, project based learning, innovative projects, etc
- helped Idea lab team in organising/planning workshops, sessions, etc. for students