SARFARAJ ALAM
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CAREER OBJECTIVE

To work in a challenging and dynamic environment and to keep adding value to the organization that I represent and serve, while also concurrently upgrading my skills and knowledge.

ACADEMIC DETAILS

Qualification	School/College	Board/University	Year
B-tech(Electronics and Communication Engineering-Avionics)	Central University Of Jammu	Central University of Jammu	2022-2026
XII	+2 High School Bhabhua, Kaimur	BSEB	2022
X	DAV Public School Ratwar	CBSE	2020

TECHNICAL SKILLS

- **Languages:-** C, C++, Python, HTML, CSS and JAVA Script (*Basic Knowledge*).

- **Tools:-** ANSYS, Autodesk Inventor, fusion 360, Proteus, Blender, MATLAB

- **Internet of Things**

PROJECTS

- **Smart Dustbin**:- Designed and Deployed using arduino uno, Ultrasonic sensor and servomotor

- **Smart Door Lock system**:-Designed using servomotor, HC-SR04, RFID sensor, arduino uno, and LCD1602

- **Mobile Charger**:- Designed using StepDown Tx(12-0-12), Full wave rectifier, 10mF Capacitor, 1k ohm R

- **Web Developmen**(Frontend):- Using HTML, CSS, and Javascript Designed a student portfolio

- **Virtual Calculator**:- Designed a virtual calculator using HTML, CSS and Javascript

- **Weather Forecasting Website**:- Designed a real-time weather forecasting website using HTML, Python, Javascript, and CSS

TRAINING AND WORKSHOPS

- **Research and Development Dept. - Garuda Aerospace Pvt. Ltd.**:- Designed an autonomous robotic hand for drones to augment the functionality and precision of next-generation aerial technologies

- **Graphics Design (Fusion 360) - IIT Roorkee**:- Basic knowladge of 3D graphics Design and PCB Design

- **UAV Workshop at IIT Roorkee**:- Learned about UAVs working mechanism, rules and Aerodynamics

- **UAV Workshop at NIT Jalandhar**:- Learned about UAVs working mechanism, rules and Aerodynamics

- **Internship at IIST, Trivandrum**:-Learned about Green Energy Conservation

- **ISRO START Programme**:- Completed certification of ISRO START PROGRAMME

- **VLSI**(*Workshop at IIT JAMMU*):- Learned basic coding of Verilog/VHDL for chip design

- **SCL Mohali**(*Industrial Visit*):- Learned how chips are being manufactured there

Extra Curricular Activity

- President of Innovation Club.

INTEREST AND HOBBIES

- Playing Chess, Badminton