

**SARFARAJ ALAM**

Kathej, Mohania

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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):-** Designed and implemented self- made 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 knowledge 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