

# SANJEEV KUMAR

## UAV Technician | DGCA Certified Remote Pilot | IoT Expert

Ward No. 09, House No. 26, Vijaypur | 184120 | District: Samba (J&K)

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### Summary

Performance-driven DGCA Certified Remote Pilot and UAV Technician with a total of 4:30 hours of logged flying experience in Micro & Small Category drones. Expert in drone assembly, troubleshooting, and flight operations, with specialized proficiency in Mission Planning.

### Educational Qualifications

- B.Sc. Non-Med (Electronics) | Cluster University of Jammu | 2023 | 6.54 CGPA
- 12th | JKBOSE | 2018 | 72 %
- 10th | JKBOSE | 2016 | 52.8 %

### Training Certifications

- Remote Pilot Certificate ~ Adani Skills Development Centre, Bilaspur (HP)
- Kisan Drone Operator ~ IIT Mandi iHub, HP
- Drone Technician ~ IIT Jammu (J&K)
- ESDP & Tinker Bootcamp ~ IIT Jammu
- Certificate in Designing IoT ~ NIELIT Ropar, Chandigarh
- Certificate in Sensor Based Farming ~ SKUAST- Jammu
- Generative AI & Design Thinking ~ Google & IBM
- Diploma in Computer Application

### Technical Skills

- **Flying Experience:** Total 4:30 hours of Flying Experience of Micro & Small Category Drone.
- **Flight Operations:** Mission Planning, Execution, Pre/Post-Flight Inspection & Payload Management.
- **Technical Stack:** Hardware Assembly, Troubleshooting, Sensor Calibration, and Flight Logs.
- **Compliance:** DGCA RPC (Small Category), Drone Rules 2021 & Amendment Rule 2022
- **Digital/Tech:** 3D Printing, CAD, IoT Designing, Microsoft Office Suite, Google Workspace, Gen Ai (Gemini, ChatGPT, Claude, Perplexity & Co-Pilot)

### Applied Projects

- **Battery Operations Log Web Tool:** Engineered a custom web-based utility to streamline flight log management and operational efficiency for UAV pilots.
- **Custom UAV Assembly & Integration:** Engineered a multi-rotor UAV from the ground up using a Pixhawk flight controller; performed precision IMU calibration and flight testing to validate hardware integrity and mission planning compatibility.

- **IoT Systems Development:** Designed and integrated various IoT projects using Arduino and ESP32 microcontrollers; successfully implemented sensors (DHT, Ultrasonic), actuators (Buzzer, LED), and peripherals (LCD, Keypad, C12 Gimbal Camera) utilizing Bluetooth and Wi-Fi modules.

## Professional Experience

### Digital Strategist Executive | Jammu Defence Academy | Jammu, J&K |Sept. 2025 – Jan. 2026

- Engineered and executed Meta Ad strategies resulting in 12–15 high-value admissions within 3 months.
- Delivered a measurable ROI of ₹6–8 Lakhs through precision-targeted digital campaigns and funnel optimization.
- Managed end-to-end digital presence and lead acquisition strategies for competitive coaching.

### Computer Academics Instructor (NOKIA Smartpur) Samba, J&K |Dec. 2024 – July 2025 |

- Managed the Education Pillar, overseeing program execution and high-level impact reporting for stakeholders.
- Facilitated digital literacy programs and led community awareness campaigns, resulting in documented engagement growth.
- Produced concise impact stories and awareness reports to promote program success.

## Event Coordination & Extra-Curriculars

- **Volunteer Coordinator | Startup Event, IIT Mandi:** Assisted in organizing and executing a high-level startup summit, coordinating between entrepreneurs and academic stakeholders to facilitate innovation and networking.
- **Event Lead | IoT Workshop, SKUAST Jammu:** Managed logistics and coordination for the "IoT: From Sensors to Farming" workshop, bridging technical concepts with agricultural applications.
- **Delegate | India AI Summit:** Attended sessions on the future of Artificial Intelligence and its integration into industrial and consumer sectors.
- **Event Participant | AI Fest, Chandigarh University:** Engaged with industry experts on AI-driven workflows and emerging technological trends.
- **Event Participant | MSME Workshop, AWaDH, IIT Ropar:** Attended specialized sessions on technological entrepreneurship and small-scale industrial development.

## Soft Skills

- Proactive Problem-Solving
- Strong Team Player & Collaborator
- Exceptional Communication (Written & Verbal)
- Adaptability, Critical Thinking & Quick Learning
- Excellent Organizational & Time Management

## Language Proficiency: English, Hindi, Punjabi & Dogri

**Declaration:** I hereby declare that the above furnished are true to the best of my knowledge & belief.