

Shivansh Chauhan

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EDUCATION

Moradabad Institute Of Technology (AKTU), Moradabad (U.P.) <i>Bachelor of Engineering in Electronics & Communication Engineering</i>	2019 – 2023 CGPA: 8.5
Swaroopi Devi Inter college, Moradabad (U.P.) <i>Senior Secondary Examination</i>	2018 – 2019 Perc: 84%

EXPERIENCE

Kumar Equipment India Pvt. Ltd. <i>Embedded And IoT Engineer (R & D)</i>	<i>Bhiwadi, India</i> Oct24 – Present
- Created custom PCBs, firmware, cloud connectivity to enable remote fault detection and reduce on-site servicing effort by about 60%. - Developed in-house controllers and interface panels to decrease reliance on imported modules and decreased BOM costs in order to engineer high-power control systems capable of handling 5kW+ loads. - Custom PCBs (2/4-layer) were designed and validated, and legacy boards were reverse engineered to increase performance and dependability.	
Nokia Network Solutions <i>Hardware Engineer</i>	<i>Gurugram, India</i> June23 – Oct24
- Trubleshoot board and component-level debugging on 5G BTS system modules, handling 50+ boards per week. - Reduced average repair turnaround time by 30% through structured diagnostic procedures, schematic reviews and signal-level analysis. - Achieved 80%+ first-pass repair success rate by efficiently identifying faults using Tools and analysers.	

PROJECTS

Flex Probe – Smart Refrigeration	<i>Esp-Idf, Django, Python, Kicad, Esp32, Mqtt</i>
IoT-enabled refrigeration monitoring system for real-time fault diagnostics, reducing downtime and on-site servicing. Web-app based monitoring dashboard and a custom PCB design equipped with multiple sensors and actuators. Retrofitted design to insure usability with legacy machines, designed to be less power hungry for longer operation.	
Bhoomitra – Realtime Data Acqutation & Monitoring Of Soil Health	<i>Django, Rs485, PCB, Python, EmbC</i>
Device that analyzes soil nutrients (NPK), pH, and moisture to provide real-time soil health insights for optimized crop Production. Provide actionable insights on soil performance and recommendations to drive farming decisions.	

SKILLS

Technical: IoT, PCB Designing, ESP/Raspi/Arduino/STM, Embedded C/C++, Python, MQTT, Django, API, Docker,
Tools: ESP-IDF, Proteus, KiCad, 3D-Printing, Git, Linux/Debian, Arduino-IDE,

CERTIFICATIONS

- Embedded system & Robotics (IIT-B, Eyantra)
- IoT & PCB designing (Hawai Adda Aerial Innovation)

ACHIEVEMENTS

- Got **GOLD MEDAL** in AKTU ZONAL FEST (Technical)
- Got **BRONZE MEDAL** in AKTU STATE FEST (Technical)
- Developed a Tech(Krishi Sarthi) which **got gov. funding** (1lakh rupee)