SATYAM JHA

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SUMMARY:
Proficient in electronic circuit design, IoT integration, and embedded systems development with hands-on experience in automation and hardware projects.

SKILLS:
Pspice, LTspice, KiCad, Matlab, RTOS, Microcontroller, Grafana, Node Red, Embedded C, C, Python, MS Office

Python: NumPy, Pandas, Matplotlib, Seaborn

INTERNSHIP:
Electrical Maintenance, Advik hi-tech pvt. ltd.(Paid)   Dec 2020-Dec 2021
- Assisted in the electrical maintenance and troubleshooting of CNC, VMC, and HMC machines to ensure optimal operational efficiency at Advik Hi-Tech Pvt. Ltd. [C]

Robotics and Automation, RKFL   Jun 2024-Jul 2021
- Completed a summer internship in robotics and automation, gaining hands-on experience in programming and operating IRC5 robot systems, including diagnostics and advanced features. [C]

Embedded application developer, Semperonic Labs (Paid)   Sep 2024-Oct 2024
- Developed and tested embedded C code for ESP modules, enabling cloud data upload and integration with various online cloud platforms. [C]

PROJECTS:
IoT-Based Real-Time Data Monitoring System Using ESP32S and Telit WE310G4-I   Sep 2024
- Designed an IoT system for data monitoring using ESP32S, Telit WE310G4-I, and MQTT-based cloud platforms with embedded C and AT commands.

Automatic control of home appliances   May 2024
- By using web-app through self-developed APIs & Server Databases to control the electrical appliances by using node mcu(esp8266) through HTTP protocol.

Developing an ai-powered energy management system for industrial commercial facilities to optimize energy consumption.   Dec 2023
- Developed energy management system for industrial and commercial facilities, integrating AC/DC microgrids, solar panels, battery monitoring, and load optimization via a web application.

Over-the-Air (OTA) Firmware Update and Control System Using ESP32 Module   Jan 2024
- Developed an OTA-enabled system on the ESP32 module for seamless firmware updates and remote device control.

EDUCATION:
Giet University, Gunupur | Bachelor's Degree in Electrical and electronics engineering | Aug 2022 to May2025 | 8.40cgpa

Arka jain University, Jamshedpur | Diploma in Electrical and electronics engineering | May 2017 to Apr 2020 | 7.44cgpa

ACHIVEMENTS:
- Secured **best student** award from giet university for outstanding performance in academics.
- Participated and Selected for the **grand final** of Smart India Hackathon 2023 hardware edition.
- Attended two days Hands-on workshop on **pcb design** and **pspice** (software).

INTRESTS:
Cricket ,Travelling & Adventure, Exploring new Website