Name: Rohit Verma
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Objective:
Embedded Systems Engineer with a strong background in microcontrollers, real-time systems, and IoT. Seeking a challenging role where I can contribute my expertise in hardware-software integration for innovative embedded solutions.

Education:

- B.Tech in Electronics & Computer Science, BITS Pilani (2018-2022)

Skills:

- Programming: C, C++, Python, Embedded C
- Hardware: ARM Cortex, Arduino, Raspberry Pi, ESP8266
- Communication Protocols: UART, SPI, I2C, MQTT

Projects:

- **Smart Home Automation:** Developed an IoT-based home automation system controlled via a mobile app.
- **Industrial Sensor Network:** Built a wireless sensor network for real-time monitoring of factory conditions.
- **Autonomous Robot:** Designed an obstacle-avoiding robot using ultrasonic sensors and microcontrollers.

Certifications:

- Embedded Systems Design – Coursera
- IoT Specialist Certification – Udacity

Internship Experience:

- **Embedded Engineer Intern at Bosch (2022)**
  - Worked on firmware development for automotive ECUs.
  - Optimized power consumption in embedded systems, reducing energy usage by 30%.

Achievements:

- Published research on "Low-Power Embedded Systems" in IEEE Transactions.
- Finalist in the National Embedded Systems Challenge 2022.