

AMIT KUMAR

EMBEDDED ENGINEER

Mandawar, Bijnor, 246121, India | kumaramit812670@gmail.com | [08126704800](tel:08126704800) | [LinkedIn](#)



PROFILE

Motivated and passionate **Embedded Systems Engineer (Fresher)** with a strong foundation in **electronics, microcontrollers, and programming**. Eager to contribute to innovative projects involving **IoT, automation, and embedded product development**. I aim to leverage my knowledge of **C/C++, Embedded C, and circuit design** to build reliable and efficient embedded solutions while continuously enhancing my technical expertise.

EDUCATION

Swami Vivekanand Subharti University	Aug 2024 — Jun 2027
B.Tech in Electronics & Communication Engineering, Meerut	
Board of Technical Education Uttar Pradesh	Aug 2021 — Jun 2024
Diploma in Computer Science & Engineering, Meerut	

TECHNICAL SKILLS

Communication Protocols: UART, SPI, I2C

ACADEMIC PROJECTS

Smart Home Automation using NodeMCU & IoT

- Designed an IoT-based system to control home appliances via smartphone.
- Integrated NodeMCU with Blynk app for real-time control and monitoring.
- Technologies: IoT, Embedded C, NodeMCU, Blynk, Sensor Interfacing

Temperature & Humidity Monitoring System using Arduino

- Built a DHT11 sensor-based system to monitor temperature and humidity levels.
- Displayed data on LCD and triggered alert on abnormal readings.
- Technologies: Arduino IDE, Embedded C, Sensors, LCD Interfacing

INTERNSHIP / PRACTICAL EXPERIENCE

Self-learning through hands-on embedded projects

- Practiced coding for microcontroller interfacing, circuit simulation, and IoT-based systems.
- Explored open-source platforms and documentation for real-time embedded applications.

SOFT SKILLS

- Strong logical and analytical thinking
- Self-motivated and disciplined learner
- Team collaboration and adaptability
- Clear documentation and reporting skills
- Keen interest in emerging embedded technologies

HOBBIES & INTERESTS

- Quick learner with practical problem-solving ability
- Consistent and hardworking attitude
- Passion for electronics, coding, and innovation
- Ability to work under deadlines and handle tasks independently

DECLARATION

I hereby declare that the above information is true and correct to the best of my knowledge and belief.

(Amit Kumar)

Bijnor, Uttar Pradesh