**SHLOK KUMAR**  
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LinkedIn: [linkedin.com/in/shlokkumar](https://linkedin.com/in/shlokkumar) | GitHub: [github.com/Shlokkumar18](https://github.com/Shlokkumar18)  
Location: India

**🎓 EDUCATION**

**Bachelor of Technology in Electrical and Electronics Engineering**  
XYZ Institute of Technology, India  
*Expected Graduation: May 2027*  
CGPA: *Your CGPA here (if known)*

**🔧 TECHNICAL SKILLS**

* **Programming Languages**: C (Standard & Embedded), Python
* **Embedded Systems**: 8051 Microcontroller, Keil uVision, Proteus ISIS
* **Simulation Tools**: MATLAB, Simulink, LTspice
* **Development Tools**: GitHub, VS Code, MCU 8051 IDE
* **Other Skills**: Project planning, technical documentation, basic video/photo editing

**💡 MINI PROJECTS**

**1. Traffic Light Control System using 8051**

* Built a working simulation using timers and interrupts.
* Interfaced LEDs and buzzer in a sequence based on time intervals.
* Tools used: Keil, Proteus

**2. Border Intrusion Alert System with 7-Segment Display** *(Ongoing)*

* Detects intrusion using IR sensors, buzzer alert, and a 2-digit counter display.
* Implemented using multiplexed 7-segment displays, timers, and interrupts.

**🛠 INTERNSHIP GOALS**

* **Targeting**: Winter Internship at DRDO (Jan 2026)
* Areas of interest: Embedded Systems, Microcontroller Projects, Signal Processing

**📃 CERTIFICATIONS *(Planned/In-progress)***

**MATLAB Onramp + Simulink Onramp** – Expected completion: Aug 2025

* **Embedded C & System Design (Self-paced)**

**🧠 ACADEMIC INTERESTS**

* Control Systems, Embedded Programming, Signal Processing, IoT

**🗣 LANGUAGES**

* English – Professional Proficiency
* Hindi – Native