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# Prerna

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Motivated Electronic Instrumentation and Control student with a strong foundation in electronics, control systems, and instrumentation. I have completed coursework in these areas and am eager to apply my skills in a professional environment. Possess excellent problem-solving skills and a passion for learning and innovation. Seeking a challenging and rewarding position in a tech-based company where I can contribute to the growth of the organization.

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## Education

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**DAV Public School, Assandh**  
AISSCE CBSE Class 12 - 87%

**Thapar Institute of Engineering and Technology**  
BE - 7.94 ( till 6th sem )

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## Key Skills

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- C/C++, Python, HTML, CSS, JS, React JS, SQL, GNS3, VHDL, Verilog
- MATLAB, Arduino, Multisim
- Creative problem solving, Critical thinking, Positive attitude, Social media marketing, Time management, Strategic planning, Communication skills, Editing proficiency

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## Projects

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### **Designed Smart Home - Using Cisco Packet Tracer**

- Implemented a smart home using Cisco Packet Tracer.
- Used home Gateway to register the smart device to control them.

### **Designed Smart Street Light System - Using Arduino IDE**

- Implement a smart street light using Arduino IDE

### **Portfolio Website**

- Designed a personal portfolio website using html, css and js

### **ALGORITHM WEBSITE**

- Designed a website sample which display the various algorithms using html, css and React JS

### **MKR Wi-Fi 1010 board and blink the inbuilt LED**

- Designed a blink inbuilt LED using Arduino cloud