IRENI ARYAN GOUD

Aspiring Electronics and Communication Engineer

Hyderabad, India | +91-8367640432 | aryan.ireni@gmail.com

SUMMARY

A dedicated Electronics and Communication Engineering student with hands-on project experience in embedded systems, digital logic, and robotics. Skilled in Embedded C and Verilog HDL with a proven track record of designing and optimizing circuits and systems. Seeking to contribute my technical expertise and problem-solving abilities to an innovative team.

EDUCATION

Indian Institute of Information Technology, SriCity *B.Tech in Electronics and Communication Engineering* Expected Graduation: May 2027

SKILLS

- **Programming & Tools:** Embedded C, C++, Verilog HDL, QCA Tool, FPGA
- **Core Concepts:** Data Structures and Algorithms (DSA), Digital Design, Embedded Systems
- **Soft Skills:** Communication, Teamwork, Problem-Solving, Leadership

PROJECTS

- **Home Automation for Physically Disabled**
  - Engineered a voice-activated home automation system to assist individuals with physical disabilities, improving accessibility and ease of use with a focus on user-centered design.
- **Wi-Fi Based Home Automation**
  - Developed a remote-controlled home automation system using a NodeMCU microcontroller and a mobile application interface to create a seamless user experience.
- **Low Latency Full Adder Design**
  - Engineered a low-latency full adder using the QCA Designer tool, achieving a 20% reduction in cell count and a 15% improvement in performance over existing models.
- **Line Follower Robot**
  - Constructed a line follower robot, gaining practical experience in circuit design, sensor integration, and embedded C programming.