VENNILA SRI S

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Professional Summary

Enthusiastic and detail-oriented Electrical and Electronics Engineering student with strong foundations in circuit design, embedded systems, IoT, and AI applications. Skilled in programming (C, C++, Java) and cloud computing with proven problem-solving abilities demonstrated through 399+ solved problems on SkillRack and a 14K+ score on HackerRank. Seeking to leverage technical skills and innovative thinking to contribute to impactful engineering solutions.

Education

K. Ramakrishnan College of Technology, B.E., Electrical and Electronics Engineering   2022 - 2026

- CGPA: 7.91/10.0
- **HSC - Kendriya Vidyalaya School, Perambalur** | 2021 - 2022 | 75.6
- **SSLC- Kendriya Vidyalaya School, Perambalur** | 2019 - 2020 | 66.6

Certifications

- Internship – TNEB (July 2024): Worked on electrical distribution systems, power grid operations, and fault detection techniques. Gained practical exposure to transformer maintenance, load management, and safety protocols in real-world power supply environments.
- Cloud Computing – NPTEL (Nov 2024): Learned fundamentals of cloud service models (IaaS, PaaS, SaaS), virtualization, and distributed computing. Explored cloud architecture, deployment models, and use cases across industries.
- Energy Engineering – NPTEL (Apr 2024): Studied energy generation, renewable energy systems, and energy efficiency technologies. Covered topics on solar, wind, biomass energy, and energy auditing principles.

Projects

GSM/Voice-Operated Motor Control System

- Developed a system to remotely control motor ON/OFF operations via GSM module and voice commands.Implemented Arduino-based microcontroller programming for signal processing.
- Tools Used: arduino Uno, GSM Module (SIM800L), Voice Recognition Module, Relay Module, DC Motor, Power Supply, Embedded C, Arduino IDE.

Core Qualification

- Proficient in Power Electronics: Design and analysis of converters, inverters, and power control circuits.
- Skilled in Control Systems: Modeling, stability analysis, and PID controller implementation.
- Knowledge of Electrical Machines: Operation, performance testing, and maintenance of motors and generators.
- Experienced in Linear Integrated Circuits: Design and application of op-amp-based analog and digital circuits.
- Proficient in Verilog HDL: Design, simulation, and verification of digital circuits using FPGA and HDL synthesis tools.

Technical skills

Languages:C, Java.
Tools and Technologies: arduino Uno, Relay Module, DC Motor, Power Supply, Embedded C, Arduino IDE.
Concepts: Microprocessors Microcontrollers,Power Systems,Verilog HDL,Electrical Circuits Networks.