DASOJU SAI KAMAL

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Objective

Seeking a good career in IT industry, where I can apply my knowledge and skills in Software, while gaining practical experience and contributing to the success of the organization.

Education

Course / Degree	School / University	Grade / Score	Year
B.Tech	Mahatma Gandhi University	84%	2025
Intermediate	Pragathi Junior College	94.4%	2021
SSC	Prerana High School	93%	2019

Skills

- Python
- HTML5,CSS3
- Javascript
- SQL
- Git/GitHub

Projects

- **Mini project**
  Arduino based automatic water tap using ultrasonic sensor and micro servo motor
  1.Hands-Free Operation: The primary goal is to turn the water tap on and off automatically without physical contact.
  2.Ultrasonic Sensor: An ultrasonic sensor is used to detect the presence of hands near the tap. It works by emitting sound waves and measuring the time it takes for the echoes to return, thus determining the distance.
  3.Servo Motor: A servo motor is mechanically linked to the tap's valve. The Arduino controls the angle of the servo motor, which in turn opens or closes the water flow.
- **Major Project**
  VCR Based Refrigerator
  1.It uses a circulating refrigerant that absorbs and removes heat from inside the refrigerator and releases it outside.
  2.The refrigerant undergoes phase changes during this process.
  3.The cycle involves four main components:
  Compressor: Compresses the low-pressure, low-temperature refrigerant gas into a high-pressure, high-temperature gas.
  Condenser: The high-pressure, high-temperature gas releases heat to the surroundings and condenses into a high-pressure liquid.
  Expansion Valve: The high-pressure liquid expands through this valve, causing a significant drop in pressure and temperature. This creates a cold, low-pressure liquid-vapor mixture.
  Evaporator: The cold, low-pressure refrigerant absorbs heat from inside the refrigerator, causing it to evaporate into a low-pressure gas. This cools the inside of the refrigerator.
  4.The low-pressure refrigerant gas then returns to the compressor to repeat the cooling.

Achievements

- Certificate of Completion – Advanced Course on Emerging Technologies Edunet Foundation Supported TASK Completed training in Machine Learning, IoT Mahatma Gandhi University | 2024–2025
- Achieved a certificate for participating in IP Awareness/Training program under National Intellectual Property Awareness Mission(NIPAM-2022)

Declaration

- I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.