Karnati Srinu

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OBJECTIVE

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

EDUCATION

Mahatma Gandhi University Nalgonda, India
Electronics and Communication Engineering; GPA: 7.0 **October 2021 - April 2025**

Manchikanti Yadagiri Junior College Nalgonda, India
MPC; GPA: 8.8 **June 2019 - April 2021**

ZPHS High School Nalgonda, India
SSC; GPA: 8.5 **June 2018 - March 2019**

SKILLS

- **Frontend:** HTML, CSS, Bootstrap, JavaScript
- **Backend:** Java, C
- **Databases:** Oracle, SQL, PostgreSQL
- **Version Control:** Git, GitHub
- **Concepts:** OOP, Data Structures, REST API
- **Platforms:** Visual Studio Code, Eclipse
- **Soft Skills:** Problem-Solving, Excellent Communication, Analytical Thinking

EXPERIENCE

Python Virtual Internship – Besant Technologies **June 2025-July 2025**

- Completed a 4-week virtual internship focused on Python programming and version control using Git and GitHub.
- Gained hands-on experience in writing Python scripts, data manipulation, and implementing basic algorithms.
- Improved practical understanding of programming logic, debugging, and problem-solving.

PROJECTS

Personal Portfolio Website| github.com/srinukarnati/Portfolio

- Designed and developed a responsive portfolio website using HTML, CSS, and JavaScript.
- Created a fully responsive personal portfolio website using my own data. Showcased projects, skills, and education with a **mobile-first approach**, ensuring 100% cross-device compatibility.

Arduino-Based Temperature controlled Fan

- Developed an automated temperature-controlled fan system using Arduino Uno**,** DHT11 sensor**,** DC fan**,** L298N motor driver**,** LCD display**,** battery**,** breadboard**,** and jumper wires.
- Programmed the Arduino to read real-time temperature and humidity from DHT11 and regulate fan speed automatically using PWM control through the L298N driver
- Displayed live temperature readings and system status on the LCD.
- Enhanced energy efficiency by enabling intelligent fan operation based on environmental conditions.

Automatic Cooler Control System

- Developed an intelligent cooler automation system using Arduino Uno**,** PIR sensor**,** Ultrasonic sensor**,** 4-channel relay module**,** LCD display, and connecting wires.
- Programmed the Arduino to detect human presence with the PIR sensor and measure distance/environmental conditions using the ultrasonic sensor.
- Automated cooler ON/OFF control through the relay module based on presence detection and predefined logic.
- Displayed real-time system status and sensor readings on the LCD.

CERTIFICATES

Certification in Python

- Gained experience in data manipulation using Python libraries.
- Completed a 4-week virtual internship focused on Python in Besant Technologies

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.