NARENKUMAR C

 Phone ✉ Email 🔗 LinkedIn ⚙ GitHub

EDUCATION

Shiv Nadar University   **Aug. 2023 – Aug. 2027**
B.Tech Computer Science and Engineering (IoT)   *Chennai, Tamil Nadu*
CGPA: 8.73

PROJECT

Parsing of Social Media Feed | *Selenium, Python, SQL*   **Sep 2024**

- Engineered an automated investigation tool to extract data from social media accounts using Selenium.
- Scraped posts, messages, and followers, generating screenshots and structured reports for analysis.
- Implemented secure authentication handling and ensured compliance with platform policies and data laws.

Voice Controlled RGB LED System | *Whisper, Hugging Face, Arduino, Streamlit*   **Oct 2024**

- Developed a voice-controlled LED system using Hugging Face Whisper and Arduino to enable hands-free interaction.
- Built a Streamlit-based interface for real-time voice and manual control through serial communication.
- Integrated audio capture, command parsing, and hardware control for accessibility-focused functionality.

IoT Object Detecting System | *Arduino UNO, Ultrasonic sensor*   **Aug 2024**

- Built an Arduino-based obstacle detection system using an HC-SR04 ultrasonic sensor and buzzer alerts.
- Programmed real-time distance measurement and automatic buzzer activation on proximity detection.
- Designed as a low-cost proximity aid to assist visually impaired users in navigating safely.

GPU Price Monitoring System | *Python, Flask, SQL*   **Nov 2024**

- Developed a real-time GPU price tracker by scraping Newegg for pricing, specs, and availability using Python.
- Automated 10-minute updates and trend logging with a SQL database for historical analysis.
- Built a Flask-based web interface with alerts and visualizations to assist users in tracking GPU market trends.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, HTML/CSS, JavaScript, Embedded C, SQL

Developer Tools: VS Code, Git, Spring Boot, Streamlit, GitHub

Technologies/Frameworks: Node.js, Arduino, Raspberry Pi, WordPress

Operating Systems: Linux, Windows

RELEVANT COURSEWORK

- Data Structures
- Digital Design
- Discrete Mathematics
- OOP
- Computer Organization
- Database Management
- Software Engineering
- Operating System

LEADERSHIP / TECHNICAL INVOLVEMENT

SNUC Potential (Robotics Club)   **Aug 2024 – Present**
Core Committee Member   *Shiv Nadar University*

- Organized IoT workshops, seminars, and college-level hackathons and tech events as part of the robotics club.
- **Hackathon Participation:** Participated in IndustriAI 24-Hour Hackathon at IIT Madras, Synthetix 3.0 at VIT Chennai, and Intra-college hackathons.
- **Certification:** NPTEL – Introduction to Large Language Models (Apr 2025)