

NARENKUMAR C

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EDUCATION

Shiv Nadar University

B.Tech Computer Science and Engineering (IoT)

CGPA: 8.86

Aug. 2023 – Aug. 2027

Chennai, Tamil Nadu

PROJECT

ReWear Clothing Exchange | *React, TypeScript, Gemini Pro, DeepAI, TailwindCSS, Supabase* **Jul 2025**

- Built a responsive AI-powered frontend using React and Gemini Pro to allow users to upload clothing images and auto-generate detailed listings with size, condition, and search tags.
- Integrated DeepAI's NSFW API for content moderation and developed a chatbot assistant ("Bob") using Gemini Pro for pricing tips, sizing help, and policy guidance.
- Used REST-API to manage authentication, real-time updates, and secure API routing between the frontend and Supabase backend for inventory and transaction management.

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.

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.

TECHNICAL SKILLS

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

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

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

Operating Systems: Linux, Windows

RELEVANT COURSEWORK

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|-----------------------|-----------------------|------------------------|-------------------------|
| • Data Structures | • Digital Design | • OOP | • Computer Organization |
| • Agile Scrum process | • Database Management | • Software Engineering | • Operating System |

LEADERSHIP / TECHNICAL INVOLVEMENT

SNUC Potential (Robotics Club)

Core Committee Member

Aug 2024 – Present

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)