Naren Sundar L

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EDUCATION

AMRITA VISHWA VIDYAPEETHAM

B. Tech. in Computer Science and Engineering (Artificial Intelligence)

Aug 2023 - Present | Coimbatore, India
CGPA: 8.19

THE VIJAY MILLENNIUM SENIOR SECONDARY SCHOOL

Dharmapuri, India
HSC/ AISSCE|2023: 88.4%
SSLC/ AISSE|2021: 91.8%

COURSEWORK

UNDERGRADUATE

Artificial Intelligence
Machine Learning
Linear Algebra
Probabilistic Reasoning
Computer Networks and IoT
Operating Systems
Object Oriented Programming
Big Data Analytics
Database Management Systems
Software Engineering
UI/UX Designing

SKILLS

Programming Languages
Java • Python • JavaScript • C • C++
Web & Frameworks
React • Next.js • Node.js • Express.js
Mobile & UI
Flutter • HTML • CSS
Databases
MySQL • MongoDB • PostgreSQL

CERTIFICATIONS

The Complete Web Development Bootcamp (Udemy 2025)
Skills Gained: HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, React, PostgreSQL

PROJECTS

TRASHBOT | Smart Waste Sorting with AI and Robotics

- Developed an AI-powered waste classification system using a UFactory Lite 6 robotic manipulator, integrating deep learning for automated sorting.
- Implemented YOLO for real-time object detection using a camera, enabling the robotic arm to classify and sort waste with Python-based control algorithms.
- Improved classification accuracy to 98% by employing an Artificial Neural Network (ANN) to map detected object pixel coordinates to robotic arm positions.

GALAXY SHOOTER | Javascript based Multiplayer Game

- Developed a multiplayer galaxy shooter game with real-time chat and projectile animations.
- Aimed to provide a responsive and engaging real-time gaming experience.
- Used Express.js and Socket.IO for low-latency WebSocket communication.

CHAT-BOT ON LEUKEMIA

- Utilized a RAG-based system with fine-tuned LLaMA 7B for accurate medical analysis.
- Improved leukemia patient care by providing AI-driven personalized support.
- Developed an AI model to offer dietary recommendations and medical report insights.

PUBLICATION

Statistical Load Forecasting in Power Systems: A Comparative Study of SARIMA and Prophet Models.
2025 First International Conference on Advances in Computer Science, Electrical, Electronics, and Communication Technologies (CE2CT-2025), Graphic Era Hill University, Bhimtal Campus, India.
https://doi.org/10.1109/ce2ct64011.2025.10941664

EXPERIENCE

INTEL IOT CLUB | Web Developer

Jan 2025 – Present | Amrita Vishwa Vidyapeetham, Coimbatore
Engineered a React and NodeJS-based web UI, enabling users to remotely lock and unlock bicycle stands; supported a 20-user pilot program, achieving a 95% system uptime and zero reported access failures.