

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

Java • Python • Javascript
C • C++
Familiar:
React • NextJS • Flutter • MySQL

CERTIFICATIONS

UNDERGRADUATE

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.
- Designed to enhance automated waste management by improving classification accuracy, reducing manual effort, and promoting efficient recycling.

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.

PERSONAL PORTFOLIO WEBSITE

- Built a responsive personal portfolio website to showcase skills, experience, and projects.
- Implemented a visually appealing design with smooth navigation, CSS media queries for device optimization, and dynamic user interaction features.

EXPERIENCE

INTEL IOT CLUB | WEB DEVELOPER

Jan 2025 - Present | Amrita Vishwa Vidyapeetham, Coimbatore
Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments.