KARNATI KARUNYA KANTH

MSR TownShip, Macherla, Andhra Pradesh, India

📞 +91 7396418556   ✉ karunyakanthkarnati@gmail.com   in karnati-karunya-kanth06   ⊙ Karunyakanthkarnati

Summary

Motivated Computer Science undergraduate and aspiring AI Engineer with strong interest in full-stack development and AI integration. Experienced in building intelligent chatbot systems, community-driven applications, and real-world problem-solving prototypes through hackathons and academic projects.

Career Objective

AI Engineer role where I can apply my full-stack and problem-solving skills.

Education

Vishnu Institute of Technology   **2023 − 2027**
B.Tech in Computer Science Engineering   CGPA: 8.68   *Bhimavaram, Andhra Pradesh*

Technical Skills

Programming: Java, Python, C
Web Technologies: HTML, CSS, JavaScript
Frameworks / Tools: Flask, React (Basic), GitHub
AI / ML: Google Gemini API, Machine Learning Basics
Databases: SQL (Basic)

Projects

NexusAI – AI Chatbot Web Application (Solo) | *HTML, Tailwind CSS, JavaScript, Python, Flask, Gemini API*
- Engineered a full-stack AI chatbot handling 50+ prompts per session with real-time response rendering.
- Integrated Google Gemini API using Flask backend to automate intelligent conversational responses.
- Designed a responsive UI with Tailwind CSS and markdown parsing for formatted outputs.
- Implemented retry logic with exponential back-off to improve API reliability under failures.

JALSURAKSHA – Smart Community Health Monitoring System (SIH 2025) | *AI, Data Analytics*
- Developed an AI-based early-warning prototype to predict water-borne disease outbreaks.
- Designed workflows to collect symptom and water-quality indicators for community monitoring.
- Analyzed simulated rural datasets to identify potential outbreak patterns.
- Collaborated with a 6-member team and presented the solution in SIH 2025 internal round.

HomeHunt – Centralized Real Estate Platform (DTI Project) | *MERN, TypeScript*
- Designed a centralized property-listing platform supporting buy, sell, and rent workflows.
- Built frontend components in React and TypeScript for property search and filtering.
- Assisted in developing backend REST APIs using Node.js and Express for listing management.
- Structured MongoDB schemas to store property metadata and user preferences.

AyuConnect – Traditional Health Care Awareness Platform
- Conducted surveys of 440+ rural participants across 10+ villages in Andhra Pradesh.
- Digitized and categorized traditional healthcare practices and herbal remedies.
- Developed a prototype system for symptom-based herbal remedy recommendations.
- Analyzed collected data to identify trends in health awareness and treatment methods.

Certifications and Achievements

- Smart India Hackathon 2025 – Participant
- Ignite India – Certified Practice Venture, Wadhwani Foundation
- Mathematics for Machine Learning – NPTEL (77%)
- Social Network Analysis – NPTEL (53%)
- CS101 – Stanford University
- Communication Skills – Stanford University
- Joy of Computing Using Python – NPTEL
- Java Programming – edX