

Shiva Santosh Reddy Aenugu

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PROFILE

Aspiring Computer Science Engineer specializing in Artificial Intelligence and Machine Learning with a strong passion for technology and programming. Dedicated to leveraging cutting-edge AI/ML techniques to develop innovative software solutions. Eager to contribute to dynamic startup environments, bringing a blend of technical expertise, problem-solving skills, and a growth-driven mindset.

SKILLS

Soft Skills

- Problem Solving
- Team Collaboration
- Analytical Skills
- Attention to Detail

Programming Skills

- C
- Python
- Java

Web Development Skills

HTML	MongoDB	TypeScript
CSS	Docker	NodeJs
MySQL	ReactJs	Express

INTERNSHIPS

Regality AI (May 2025 to July 2025)

- Contributed to the development of Graph RAG (Retrieval-Augmented Generation) architecture for an LLM-powered QA system.
- Built a prototype of Cognee, an intelligent assistant leveraging LangChain, OpenAI LLMs, Neo4j (for entity graph reasoning), and Dockerized microservices for scalable deployment.
- Integrated agentic behavior through LangChain's tools and memory components, enabling context-aware multi-hop question answering.
- Designed and optimized retrieval workflows using vector embeddings and graph-based context expansion, enhancing relevance and factual consistency.
- Gained hands-on experience with LLM fine-tuning, prompt engineering, and hybrid retrieval methods combining semantic and symbolic reasoning.

PROJECT

Sudoku Solver

- Developed a Sudoku solver using a recursive backtracking algorithm to efficiently fill empty cells while enforcing all game constraints.
- Enhanced output readability by formatting the solution grid with clear visual separation of 3x3 subgrids.

Voice-Activated AI Assistant with Web Scraping and Summarization

- Built an AI voice assistant that uses speech recognition, Google CSE API, and BeautifulSoup to fetch and summarize web content based on user commands.
- Integrated text-to-speech and NLTK-based summarization for clear, concise responses, with robust handling of recognition and scraping errors.

Virtual Diary with Google Sheets Integration

- Built a virtual diary web app with Streamlit, integrating Google Sheets API and OAuth2 for secure storage, automatic sheet creation, and structured time-stamped entries.
- Enabled seamless daily logging with dynamic updates and error handling for missing sheets, ensuring reliable performance and easy entry tracking over time.

EDUCATION

Bachelor of Technology in Computer Science

Majors: Artificial Intelligence and Machine Learning
Sreyas Institute of Engineering and Technology

Intermediate

Candor Shrine i Senior Secondary School (CBSE)

High School

St Gabriel High School

CERTIFICATES

Agile Scrum

Scrum Learning Society

Machine Learning

Kaggle

Python

Kaggle

SQL

Hackerranker