

YASWANTH YERRA

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Portfolio: yaswanth9347.github.io/yaswanth.github.io

OBJECTIVE

Motivated and detail-oriented Software Engineering student with hands-on experience in Python, FastAPI, and knowledge graph systems. Passionate about contributing to impactful projects in AI, embedded systems, and cloud-based technologies. Eager to work in challenging roles that drive innovation in autonomous systems and large-scale software at leading tech firms.

EDUCATION

Maharaj Vijayaram Gajapati Raj College of Engineering Bachelor of Technology in Information Technology CGPA : 8.02	Vizianagaram, Andhra Pradesh 2022-2026
Sri Chaitanya Junior College Mathematics, Physics, Chemistry, English. CGPA : 9.2	Visakhapatnam, Andhra Pradesh 2020-2022
Keshava Reddy School, Secondary School Certificate (SSC) CGPA : 9.3	Srikakulam, Andhra Pradesh 2019-2020

SKILLS

Languages: Python, C, SQL

Databases: MySQL, PL/SQL, Neo4j (Cypher)

AI & Automation: OpenAI API, Google Generative AI, RAG, Graph RAG

Web Development: HTML, CSS, JavaScript, Flask

Tools & Platforms: Docker, Git, Jira, CI/CD, Agile, Copilot, Cline

Operating Systems: Windows, Linux

Soft Skills: Time Management, Teamwork, Communication, Problem Solving

PROJECTS

Multilingual Voice Bot

[GitHub](#)

- Built a multilingual chatbot with both chat and voice interfaces using React.js and Gemini API.
- Integrated speech-to-text and text-to-speech for voice commands.
- Enabled seamless multilingual interaction using Gemini LLM and NLP techniques.

Medical Management System

[GitHub](#)

- Developed a web app to manage patient records, prescriptions, and inventory.
- Used Python and SQL for backend; HTML, CSS, and JS for frontend.
- Focused on basic CRUD operations and ease of use.

Payslip Generation System (Internship Project)

- Automated payslip generation using PostgreSQL and MCP tools.
- Built scripts for data ingestion and document automation.
- Reduced manual work through backend processing and templates.

Project Management Website (Internship Project)

- Created a Jira-like platform with Kanban board, sprint planning, backlog, and issue tracking.
- Built using FastAPI and PostgreSQL.
- Enabled MCP platform integration for real-world deployment.

WORK EXPERIENCE

Intern – AI & Knowledge Graph Engineering

OmniqAI Pvt Ltd **Dec 2024 – Jan 2025**

- Developed a microservice to construct knowledge graphs for OmniqAI's RAG system enabling Slack data querying.
- Applied advanced prompting techniques (Chain of Thought, one-shot, few-shot) using LLMs to enhance intelligence.
- Used Python, Ollama, Docker Swarm, Slack API, Prometheus, Gitea CI/CD, and Git.
- Conducted product research for AI360 and Chanakya, contributing to strategic planning.

Improved team collaboration via CI/CD workflows and deployment automation.

CERTIFICATIONS

On-Site Internship Completion – OmniqAI Pvt. Ltd. (Jan 2025)

[Certificate Link](#)

Certified for successful completion of an internship in AI & Knowledge Graph Engineering. Gained experience in LLMs, RAG systems, Docker Swarm, Slack API, and prompt engineering techniques. Contributed to CI/CD and real-time monitoring.

AWARDS & ACHIEVEMENTS

- **Internship Excellence Award – OmniqAI Pvt. Ltd. (Jan 2025)** [Certificate Link](#)
Recognized for technical excellence, microservice optimization, and effective use of prompt engineering on OmniqAI's RAG system.

LANGUAGES KNOWN

English, Telugu