

THULA NISHANTH

Python + Full Stack Developer | AI/ML & LLM Integrations

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PROFILE

Full-stack developer specialized in Python, Java, and AI/ML integration, with experience delivering production-ready LMS features and AI-driven chatbots. Skilled in React, Flask/Spring Boot, Django, SQL/MongoDB, and DevOps tools, with a focus on building scalable, impactful solutions.

EXPERIENCE

Software Engineer Intern (Frontend & Backend)

AgenticPrompt.tech

📅 Jul 2025 – Aug 2025

📍 Remote

- Contributed to an AI-integrated Learning Management System using React (frontend) and Django (backend) with LLM-powered features.
- Collaborated with teaching teams to deliver ethical-AI tools for student training in partnership with the Sathya Sai Organization.
- Integrated educational content into a Docusaurus-based site and deployed interactive components.
- Enhanced learner experience through optimized UI flows and rigorous testing.

PROJECTS

LangChain Chatbot

- Built a retrieval-augmented chatbot (LangChain + OpenAI API + Vector DB) achieving 90% retrieval accuracy.
- Reduced latency by 30% with embedding caching; handled
- 150+ queries with natural conversation flow. Handled 150+ real-time queries with smooth, context-aware natural conversation flow.
- Implemented hybrid search (semantic + keyword) in the vector database to improve precision and recall in complex queries.
- Integrated conversational memory modules (buffer + summarizer memory) to maintain multi-turn dialogue consistency.
- Added fallback pipeline with LLM reasoning when retrieval confidence was low, improving robustness by 20

Typing Speed Tester

- Developed a web app with random-paragraph logic, boosting engagement; achieved >95% scoring accuracy.
- Reduced reset time by 40% via optimized DOM/input handling; implemented modular MVC architecture.
- Tech stack:** JavaScript, HTML, CSS
- Provides users with instant feedback on typing speed and accuracy.
- Enables users to track improvement over multiple sessions with average WPM.
- Encourages skill development for faster and more accurate typing, which is valuable in professional and academic contexts.

SKILLS

- Languages:** Python, Java, JavaScript
- Frontend:** HTML/CSS, React
- Backend:** Flask, Django
- Databases:** SQL
- DevOps/Tools:** Git, Github, Visual Studio Code
- AI/ML:** OpenAI, API, LangChain

ACHIEVEMENTS



Microsoft Azure AI Solution Microsoft May 17, 2025

- Designing and Implementing a Microsoft Azure AI Solution
Microsoft



Microsoft DevOps Solutions Microsoft May 17, 2025

- Designing and Implementing Microsoft DevOps Solutions
Microsoft



Microsoft Azure Security Technologies Microsoft May 25, 2025

- Designing and Implementing Microsoft Azure Security Technologies
Microsoft

EDUCATION

B.Tech (CSE - AI & ML)

Vaageswari College of Engineering

📅 2020–2024

📍 Karimnagar, TG

Relevant coursework: Data Structures, Algorithms, AI & ML, Database Systems

Intermediate

Adithya Junior College

📅 2018–2020

📍 Karimnagar

Secondary Education

SR Prime School

📅 2017–2018

📍 Karimnagar

EXTRACURRICULAR ACTIVITIES

Playing Badminton | Open Source Contributions | Learning New Things