Tharuneswar Doddi

✉ tharuneswardoddi@gmail.com 📞 +91 62811 62655 📍 Kakinada ⌗ GitHub in LinkedIn ⬡ LeetCode

▦ HackerRank

🎓 EDUCATION

MCA, Aditya PG College
2025 – Present
Kakinada

Degree, MCsAiR, Aditya Degree College
2022 – 2025
Kakinada, India| CGPA: 7.1

Intermediate, MPC, P.R.Govt Junior College
2020 – 2022
Kakinada, India|
Percentage: 50%

SSC, M.G.M.C High School
2019 – 2020
Kakinada, India|
Percentage: 81.4%

🧠 SKILLS

Programming Languages
- C
- Python
- Java
- Shell Script
- Java Script

Frameworks
- FastAPI
- Hugging Face Transformers, TensorFlow
- OpenCV
- DeepFace
- Langchain

Tools
- AWS (Amazon Web Services)
- GitHub
- Linux , Windows
- Nginx
- Docker ,Kubernetes
- N8N, UI Path (Automation Tools)

DataBase
- MongoDB
- Qdrant

📑 CERTIFICATES

Python Essentials 🔗
Cisco

Competitive coding 🔗
By criativo E-Learning

Ethical Hacking 🔗
By Infosys Springboard

Workshop on Python, ML & Data Analysis 🔗
By Aditya Innovation Center

Mepro 🔗
By Pearson

Nvidia 🔗
Building RAG Agents with LLMs

💼 INTERNSHIPS

AI & ML Intern (Short-Term), ULearn 🔗   May 2024 – July 2024
- Completed an internship on **AI & ML Using Python**, achieving an **A+ grade**.
- Gained hands-on experience in machine learning concepts, algorithms, and Python-based AI development.
- Developed projects demonstrating proficiency in AI model design, data preprocessing, and evaluation.

Python Back-End Developer Intern, Criativo Software Solutions Pvt Ltd   August 2024 – present
- Developed and managed backend components for web apps using Python and FastAPI   Kakinada, India
  framework.
- Solved problems by identifying and fixing issues in the code, improving the overall functionality of the application.

📂 PROJECTS

CampusVibe, DeepFace Application 🔗
- Built a full-stack image management system for **face recognition**.
- Features: image uploads (ZIP & individual), embedding storage in **Qdrant**, metadata in **MongoDB**, face clustering, and similarity search.
- Managed image counts and designed **scalable backend deployment** using **Docker** and Linux permission optimizations.
- Implemented **real-time search** and retrieval functionality, supporting high-concurrency requests.

Financial RAG Agent
- Built a **Retrieval-Augmented Generation (RAG) system** to answer queries about company financials.
- Integrated **LangChain and MongoDB and Qdrant** for document ingestion, indexing, and semantic search.
- Enabled multi-step querying and data extraction, automating insights generation from annual reports and filings.

Structured OCR on Invoice Images
- Developed a pipeline using **HuggingFace model nanonets/Nanonets-OCR-s** to extract structured data from invoices.
- Optimized image resizing and memory usage to handle large-scale document processing efficiently.
- Integrated OCR outputs with downstream systems for automated financial data extraction.

LinkedIn Posting Automation with AI Integration (n8n)
- Developed an **automated LinkedIn content posting system** using **n8n workflow automation**.
- Integrated **AI (LLMs)** to **generate post content dynamically** based on predefined topics, templates, or data inputs.

🗂 ACHIVEMENTS

Automation Result Analysis Bot for Enhanced College Management Efficiency, UI PATH

Achieved 1st place in the 'Robo-Race 2k23' event, leading my team to victory among 13 competing campuses

Cloud Computing, AWS
- Successfully **deployed n8n on an AWS EC2 instance**, integrating it with a **custom domain and secure HTTPS** using **Let's Encrypt**.
- Configured the **server environment**, including firewall rules, Nginx reverse proxy, and automated SSL certificate renewal, ensuring **secure, reliable, and scalable workflow automation**.

🧩 INTERESTS

- AI/ML, agentic systems, backend engineering, real-time APIs, automation, cloud deployments, and computer vision.
- Passionate about designing scalable, high-performance systems and building solutions that handle large-scale data and real-time workloads.
- Reading Bhagavad Gita

🌐 LANGUAGES

English | Telugu