Thota Yashwanth

Bengaluru, Karnataka - 560100 | ✉ yashwanth.thota1@gmail.com | 📞 +91-8095935673 | ⏺ GitHub | 🔗 LinkedIn | 🌐 Portfolio

Bio

Passionate final-year Computer Science undergraduate specializing in AI and ML. Apply ML models and LLMs to real-world problems. Collaborate creatively and deliver impactful projects. Always eager to learn, experiment, and grow as a software engineer.

Education

Alliance University   Karnataka, India
Bachelor of Technology in Computer Science, Minor in Artificial Intelligence   *September 2022 – May 2026*

Technical Skills

Artificial Intelligence (AI) | Machine Learning (ML) | Data Structures and Algorithm | MySQL | Front-end Development | Java | Python | C | C++ | Docker | OOPs | SDLC and Agile Methodologies | Problem Solving

Experience

AI Intern   April 2025 – May 2025
Edunet Foundation   *Remote*
- Worked on a wildfire detection project using CNNs and deployed a real-time prediction tool.
- Gained hands-on experience in image preprocessing, model development, and deployment using Gradio.

Certifications

CertNexus Certified Artificial Intelligence Practitioner	View Credentials
Microsoft Certified: Azure AI Fundamentals(Microsoft)	View Credentials
Machine Learning with Python(IBM)	View Credentials
Introduction to Responsible AI (Google)	View Credentials
DevOps, DataOps, MLOps	View Credentials
Introduction to Agile Development and Scrum	View Credentials
Generative AI with Large Language Models	View Credentials
MLOps Tools: MLflow and Hugging Face	View Credentials
Data, Security, and Privacy	View Credentials

Projects

Forest Fire Detection | *Python, TensorFlow, Keras, Scikit-Learn, Gradio*
- Developed and deployed a CNN-based model using TensorFlow and Keras to detect forest fires in real-time images via a Gradio interface.
- Handled data preprocessing, augmentation, and model evaluation using precision, recall, and F1-score.

AskMyFile | *Python, FAISS, Hugging Face, Streamlit*
- Developed a file-based Retrieval-Augmented Generation (RAG) chatbot with Streamlit that supports PDF, DOCX, and CSV uploads.
- Used FAISS and Hugging Face embeddings to enable semantic search and integrated a local LLM for query responses.

Data Visualization Assistant | *Python, LLaMA, Seaborn, Matplotlib, Streamlit*
- Built a natural language-driven data visualization tool using a locally hosted LLM to generate Python plots with Matplotlib and Seaborn.
- Enabled non-technical users to create visualizations through a Streamlit interface without writing code.

Awards and Honors

- Finalist Proglint's Computer Vision 2K23 National Hackathon
- Participated in Flipkart Grid 5.0