Thota Yashwanth

Benguluru, Karnataka-560100 | yashwanth.thota1@gmail.com | 8095935673

www.linkedin.com/in/thotayashwanth1 | https://github.com/yash11-web

Skills

Artificial Intelligence(AI) | Machine Learning(ML) | Data Structures and Algorithm | MySQL | Time Management | Frontend Development | Java | Python | C | C++ | MLOps | Docker | Creative | Teamwork | Problem Solving

Bio

A motivated Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning. Passionate about solving real-world problems using AI-driven solutions and continously learning new technologies.

Education

ALLIANCE UNIVERSITY, Karnataka(India), Sept 2022 – May 2026
Bachelor of Technology(B.Tech)-Computer Science

Certifications

CertNexus Certified Artificial Intelligence Practitioner	View Credentials
Machine Learning with Python(IBM)	View Credentials
Data Structures and Algorithm	View Credentials
Introduction to Generative AI (Google)	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

- Built a CNN-based image classification model to automatically detect forest fires from images. Implemented data preprocessing, augmentation, and evaluation using metrics like precision, recall, and F1-score. Deployed the model with a Gradio web interface for real-time image prediction.

AskMyFile

- This is a file-based Retrieval-Augmented Generation (RAG) chatbot built with Streamlit. It allows users to upload documents (PDF, DOCX, CSV, etc.), extracts the content, creates a FAISS vector store using Hugging Face embeddings, and answers queries using a locally hosted GGUF language model(LLM).

Data Visualization Assistant

- Visualizer AI is an intelligent data visualization tool that allows users to generate insightful plots using natural language commands. Built with Streamlit, it uses a locally hosted LLaMA GGUF model (via llama-cpp) to understand user queries and convert them into Python code using Matplotlib, Seaborn for interactive plots. This tool bridges the gap between non-technical users and complex data visualizations without writing code.

Awards and Honors

Finalist Proglint's Computer Vision 2K23 National Hackathon