

Vishwajith J

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About

Aspiring Data Scientist with hands-on internship experience and academic projects in data science, machine learning technologies, and LLM frameworks. Skilled in providing data-driven solutions and analytics. Seeking entry-level opportunities in data science and machine learning to contribute technical skills.

Academic Projects

MediMind AI - Multi-Agent AI Assisted Healthcare Intelligence ChatBot

- Developed multi-agent healthcare AI system using LangChain and LangGraph with specialized agents for automated medical data analysis and patient information management.
- Tools:** LangChain, LangGraph, Ollama-Mistral, Flask, SQLite, HTML, Tailwind CSS

Automated Invoice Processing and Predictive Inventory Management

- Implemented YOLO V8 and OCR technology to automate invoice data entry, reducing manual processing time by 60 hours per week and improving data accuracy by 90%
- Tools:** Roboflow, Ultralytics YOLO, Tesseract OCR, OpenCV, Python, Pandas

CampusConnect - Student Event Collaboration Platform

- Web platform for students to discover, collaborate, and register for college events using verified student email IDs with real-time updates.
- Tools:** HTML, CSS, JavaScript, Flask, SQLite

Internships

Optisol Business Solutions

Role: AI/ML Engineer

Chennai
June 2024 - December 2024

- Built Agentic AI-powered relocation service chatbot using LangChain, RAG, JSON processing, and ChromaDB vector database. Deployed on Azure cloud platform.

Virudhunagar Textile Mills (VTM) Pvt Ltd

Role: Data Analyst Intern

Madurai
December 2023 - January 2024

- Analyzed textile production data to identify process inefficiencies and optimize manufacturing workflows

Technical Skills

Programming Languages: Python, Java

Machine Learning & AI: Scikit-learn, TensorFlow, LangChain, LangGraph, RAG, ChromaDB

Web Development & Databases: Flask, Streamlit, MySQL, SQLite, HTML, CSS, JavaScript

Education

MSc Data Science (5-Year Integrated Course)

2021 – 2026

Thiagarajar College of Engineering, Madurai | CGPA: 8.3 (up to 8th semester)

Higher Secondary Education

12th Grade

VMJ Higher Secondary School, Madurai | 92.6%

Achievements

- Hackathon:** 6th Place in IITM Paper Presentation - HACK CIDENTS Jan 28, 2023
- Hackathon:** 3rd Place in Madurai Hackathon 2022 Aug 12-14, 2022
- Hackathon:** 2nd place in Tech Quiz, American College - BYTES 2K23 Feb 15, 2024
- Sports:** 1st place in Basketball - Inter-Department TCE Mar 30, 2024