Harish R

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Education

St. Joseph's Institute of Technology *Graduation Year: 2026*
B.Tech - Artificial Intelligence and Data Science
CGPA (upto 6th sem): 8.22

Technical Skills

Programming Lang:	Java, Python, SQL
Web Development:	HTML, CSS, JS, FastAPI, API Integration
Tools and Frameworks:	Power BI, Knime, RapidMiner, Tableau, Figma, LangChain, LangSmith, n8n,
Core Skills:	Problem Solving, Data Handling, Time Management, Teamwork
AI and ML:	Machine Learning(RNN, CNN, LSTM), NLP, Transformers, LLM, RAG.

Professional Experience

Cod Tech IT Solutions (AI Domain Intern) *June 2024*
Participated in specialized classes to deepen understanding of artificial intelligence concepts and applications. Completed tasks designed to enhance practical skills and improve performance in AI-related projects.

Introlligent *AI Intern (June 2025 - Present)*
Designed and implemented an AI-powered HR agent to assist with recruitment and internal HR queries. Integrated workflows using n8n for process automation and seamless agent deployment. Applied prompt engineering techniques to improve contextual accuracy and response quality. Developed an AI-based solution to detect defaulters from datasets and built interactive visualizations for insights and also assisted with chatbot .

Projects

AI Personal Assistant (Ongoing Project) *Jun 2025*
Building an AI-powered personal assistant with Python, **Streamlit**, and **Groq's LLaMA 3 API**. Features include memory-based chat, location-aware greetings, task reminders, browsing history, and system insights. Uses **JSON, psutil, and sqlite3** for real-time data, with plans to migrate to **FastAPI backend** and a responsive **HTML/CSS/JS** frontend for full-stack deployment.

AI-Powered Legal Document Analyzer (Ongoing Project) *June 2025*
Developing an AI-driven system to scan, extract, and summarize legal documents (PDFs) using NLP and LLMs powered by **Groq's LLaMA 3**. The solution integrates **PyMuPDF** for document text extraction and a legal summarization pipeline through the **Groq API**. Ongoing enhancements include case law retrieval, cost estimation, court reminders, DigiLocker-style secure storage, and **AI-powered case simulation**, making the system a comprehensive tool for legal professionals.

Elephant Detection and Monitoring System *Dec 2024*
Designed a real-time elephant detection system using **CNNs, YOLO, and Faster R-CNN** to mitigate human-elephant conflicts. Achieved **92% accuracy** with **Faster R-CNN** and **89%** with **YOLO**, enhanced by data augmentation, transfer learning (ResNet, EfficientNet), and hyperparameter tuning. Developed as an early warning mechanism for safer human-wildlife coexistence.

Behavioral Emotion Monitoring System *Apr 2025*
Developed and deployed a real-time emotion detection system using a custom CNN **(90%+ accuracy)** to classify Happy, Sad, Angry, and Neutral emotions from webcam feeds. Integrated **Python, OpenCV, TensorFlow/Keras, and a Tkinter GUI** for easy HR use. Automated daily/monthly PDF reports with visual analytics, emoji-based insights, and confidence scoring to support employee well-being.

Certifications

– NPTEL – Python for Data Science – 66%
– Advance JAVA Programming – Scalar
– Altair RapidMiner Machine Learning Professional Certification
– Google Data Analytics – Coursera