

CHANNAKESHAHA REDDY

Bengaluru, India | +91-7795017590 | channakeshavareddywork@gmail.com | linkedin.com/in/channakeshava-reddy | github.com/KESHAVACHINNA | Profile: Channakeshava Reddy

EDUCATION

RNS Institute of Technology, Bengaluru, India

Bachelor of Engineering in Artificial Intelligence and Data Science – CGPA 7.08 | 2022 – 2026

TECHNICAL SKILLS

Programming & Query Languages: Python, R, SQL, C++

Data Libraries & Tools: pandas, numpy, scikit-learn, Jupyter Notebook, Power BI,

Databases: Relational Databases, NoSQL

Machine Learning & AI: Supervised & unsupervised learning, regression, classification, clustering, deep learning & neural networks (TensorFlow, PyTorch, Transformers)

LLM & RAG: LangChain, LangGraph, Retrieval-Augmented Generation (Basics)

Frameworks & Cloud: scikit-learn, TensorFlow, PyTorch, MLflow, FastAPI, Flask, Docker, AWS, GCP, Azure

Data Visualization: Tableau, Power BI, Matplotlib, Seaborn, Plotly, Dashboarding & storytelling

Soft Skills: Communication, Cross-functional collaboration, Stakeholder management, People management, Adaptability, Mentorship, Time management

Projects & Experience

1. Full-Stack AI Assistant App (MR Bean)– Python,TensorFlow,NLP,,Flask,Gemini APIs

[Github](#)

Built a multi-modal AI assistant capable of text, and document analysis.

Implemented LLM fine-tuning pipelines and graph-based RAG for enhanced query accuracy.

Coordinated end-to-end project delivery, from design to deployment.

2. Image Captioning System (BLIP) – Python, Streamlit

[Github](#)

Developed an image captioning model using BLIP to generate human-like captions.

Deployed the system on Render cloud for interactive and scalable use.

3. RAG-Based Knowledge Assistant – Python, LangChain, Transformers, Streamlit/Flask)

[Github](#)

Built a **RAG** system to answer user queries from large document collections with high accuracy.

Integrated vector search (FAISS) and a pre-trained LLM for fast and relevant information retrieval.

4.Driver Drowsiness & Distraction Detection | OpenCV, dlib, Python

[Github](#)

Developed a real-time driver monitoring system using OpenCV and CNNs.

Alerted drivers via audio/visual signals, improving road safety.

LEADERSHIP & EXPERIENCE

Data Science Intern | Unified Mentor | Bengaluru, India | Feb 2025 - Apr 2025

- Displayed leadership by taking full ownership of a project to engineer an end-to-end predictive system identifying employee attrition with 85% accuracy.
- The system provided actionable insights that enabled management to implement proactive retention strategies, directly impacting HR operations and business goals.

McKinsey Forward Program | Participant | 2025

- Selected for a highly competitive program focused on developing leadership, digital, and analytical capabilities to solve complex, large-scale business challenges.
-

CERTIFICATIONS

- Machine Learning with Python – IBM
- McKinsey Forward Program – 2025
- Introduction to AI & Machine Learning on Google Cloud – Google
- Google Analytics Certification – Google Skillshop