CHANDU KUNDARAPU

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PROFESSIONAL SUMMARY

AI/ML Engineer with strong experience in building production-oriented ML systems, REST APIs, and intelligent automation workflows. Skilled in designing RAG-based architectures, document intelligence pipelines, and scalable AI-driven backend systems. Passionate about developing agentic AI solutions that automate real-world business processes with reliability, monitoring, and evaluation frameworks.

TECHNICAL SKILLS

• **LLM & Agentic Systems** – RAG Architecture, Tool Calling, Workflow Orchestration, Prompt Engineering
• **Machine Learning & AI** – Deep Learning, NLP, Computer Vision, Model Evaluation & Optimization
• **Backend Engineering** – Python, REST APIs, Structured Outputs, API Integration
• **Data & Retrieval Systems** – SQL, Vector Databases (Conceptual), Embeddings, Retrieval & Reranking
• **DevOps & Reliability** – CI/CD Concepts, Monitoring, Debugging, Performance Optimization, Secure Design

PROJECT EXPERIENCE

AI-Powered Agentic Workflow System

• Designed multi-step AI workflows simulating business process automation.
• Implemented structured prompt pipelines and tool-calling logic for controlled outputs.
• Built evaluation datasets and regression-style validation checks.
• Focused on hallucination mitigation and response grounding strategies.
• Designed fallback logic and error-handling mechanisms for reliability.

Personalized Medicine Recommendation System

• Developed ML pipeline including preprocessing, feature engineering, and validation.
• Designed API-based modular architecture for scalable deployment.
• Implemented model evaluation metrics and performance tracking.
• Optimized system reliability through debugging and structured testing.

Document & Data Intelligence Modules

• Built preprocessing systems for structured and semi-structured datasets.
• Applied classification and extraction techniques using Python libraries.
• Worked on scalable backend logic for automated decision workflows.
• Designed schema structures for storing processed outputs efficiently.

INTERNSHIP EXPERIENCE

AI Engineer Intern — Arah Infotech Pvt. Ltd.

• Assisted in integrating ML models into backend services.
• Worked on preprocessing, model evaluation, and validation pipelines.
• Contributed to system debugging and performance improvement.
• Collaborated with cross-functional teams on AI solution deployment.

EDUCATION

M.Sc. Data Science (2023–2025) | CGPA: 7.1
University Post Graduate College, OU – Secunderabad

B.Sc. Data Science (2020–2023) | CGPA: 8.4
Vivekananda Government Degree College, OU – Hyderabad

CERTIFICATIONS

• MSME (Govt. of India) – AI & ML Jr. Telecom Data Analyst
• Deloitte Forage – Data Analytics
• Microsoft Power BI – LinkedIn Learning
• GeeksforGeeks – Python