

Chandru J

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Protfolio

PROFESSIONAL SUMMARY

Innovative AI Developer skilled in designing and deploying intelligent agents, scalable AI systems, and advanced workflows using LangChain, TensorFlow, Python, and top LLMs like OpenAI GPT and custom models. Experienced with Retrieval-Augmented Generation (RAG), Generative AI, and Google Cloud deployment, delivering automated solutions to complex business challenges in dynamic technology environments.

TECHNICAL SKILLS

- **Programming:** Python, SQL
- **Frameworks/Agent Platforms:** LangChain, LangGraph, CrewAI, AutoGen (A2A)
- **AI/ML Skills:** Machine Learning, Deep Learning(basics), Natural Language Processing, Generative AI, Retrieval-Augmented Generation (RAG)
- **Databases & Vector Stores:** Pinecone, Chroma, FASIS, PostgreSQL
- **Tools & Platforms:** Docker, Git, Jupyter Notebook, Streamlit, VS Code, AI browser automation, Google Cloud Platform (Fundamentals)
- **Specializations:** Prompt Engineering, AI Automation, Orchestrations Chatbot Systems.

EDUCATION

Nehru Institute of Engineering and Technology, Coimbatore

2021 - 2025

Bachelor Degree, Artificial Intelligence and Data Science

•GPA: 7.7/10

St Paul's Matric Hr. Sec School, Dharmapuri

2020 - 2021

Higher Secondary

•GPA: 83%

WORK EXPERIENCE

GoodBooks ERP Technology Pvt. Ltd.

Mar 2025 - Present

Coimbatore

AI Developer - Trainee

- Developed "Role-sense Chatbot," an adaptive AI chatbot that leverages advanced intent analysis (across 5-10 user interactions) to automatically shift between medical, HR, and developer roles—delivering highly specialized, context-aware support and enhancing enterprise user satisfaction.
- Built and optimized orchestration chatbots to coordinate complex multi-step interactions between various enterprise modules, ensuring seamless workflow automation and improved system reliability.
- Experimented with AutoGen (A2A) to build collaborative multi-agent systems handling QA automation.
- Engineered an AI agent with LangChain and Python to autonomously generate over 1,000 QA datasets, reducing quality assurance cycles by 30% and accelerating end-to-end product delivery.
- Designed and deployed a prompt-driven AI email automation platform, enabling single-command execution and reducing manual workload for stakeholders by 40%, streamlining operational efficiency at scale.
- Automated market research and competitive intelligence workflows using browser-based AI agents, cutting time-to-insight by 25% and empowering faster business decision-making.
- Implemented Retrieval-Augmented Generation (RAG) chatbots with 90%+ information retrieval accuracy, resulting in higher user engagement and substantial support cost reduction.
- Proactively mentored cross-functional teams and colleagues in adopting new AI tools, developing internal guides, and fostering a culture of AI best practices across the organization.
- Collaborated closely with product and design teams to enhance UI/UX using AI-driven solutions, marrying user-centric design with state-of-the-art technologies for more intuitive and impactful interfaces.

Techvolt Software Pvt. Ltd.

Jun 2023 - Jul 2024

Coimbatore

Data Science Intern

- Processed, visualized, and analysed large datasets (10,000+ records) using Pandas and Matplotlib, yielding actionable insights and driving data-centric decision-making.
- Built and fine-tuned classification models in scikit-learn, consistently achieving 85%+ accuracy on real-world predictive analytics tasks.
- Automated ETL data pipelines, streamlining cleaning and transformation for a 15% reduction in processing times and enhanced data quality.
- Collaborated cross-functionally to deliver end-to-end analytics solutions, aligning technical output with business goals and project milestones.

CERTIFICATIONS

- **Python for Data Science:** NPTEL | Sep 2023
- **Machine Learning:** Internshala with NSDC | Dec 2023
- **IBM Watson studio(Machine Learning):** IBM | Mar 2024
- **Data Visualization:** TATA Group Forage Program | Aug 2024
- **AI/ML Virtual Internship :** Eduskill | Mar 2024

PROJECTS

Multilingual Educational Translator

- Developed a real-time educational translation tool leveraging LangChain, advanced NLP, and text-to-speech APIs to instantly translate and vocalize content in 5+ languages, improving educational accessibility for diverse users.
- Automated the collection and integration of linguistic data via browser-based AI agents, resulting in a streamlined development process and ensuring 95% translation accuracy.
- Delivered a seamless user experience with audio-visual outputs, leading to a 30% increase in engagement during prototype testing.

AI Deepfake Detection System

- Designed and deployed a deep learning model using TensorFlow and Python to detect deepfake images, achieving 92% accuracy on a dataset exceeding 5,000 images.
- Enhanced data preprocessing pipelines with pandas and NumPy, reducing processing time by 25% to enable efficient, scalable image analysis.
- Implemented a real-time detection framework, strengthening digital security and reliability for multimedia platforms through robust and rapid deepfake identification.

LANGUAGES KNOWN

- Tamil (Native)
- English (Fluent)