

BHARATHSIMHA REDDY PUTTA

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PROFESSIONAL SUMMARY

AI/ML Engineer specializing in **Deep Learning**, **NLP**, **Computer Vision**, and **Generative AI**. Skilled in **Python**, **TensorFlow**, **LangChain**, and **MLFlow** with experience building multi-agent LLM applications, scalable backends, and production-ready pipelines to deliver business-focused AI solutions.

TECHNICAL SKILLS

- **Programming:** Python, Go, Java, React JS
- **AI/ML Frameworks:** TensorFlow, Scikit-learn, LangChain, LangGraph, MLFlow
- **Backend Development:** FastAPI, Flask, Django
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Excel
- **Databases:** MySQL, MongoDB
- **Deployment & Cloud:** Docker, AWS, Kubernetes
- **Soft Skills:** Analytical Thinking, Problem Solving, Attention to Detail, Collaboration, Adaptability

PROFESSIONAL EXPERIENCE

Data Science Intern

EISystems Technologies | Apr 2025 – May 2025

- Designed and implemented **data pipelines** using **Python** to streamline analysis workflows.
- Conducted exploratory data analysis on large datasets to extract insights for model development.
- Built interactive dashboards and automated reports, reducing manual reporting time by **30%**.
- Improved model accuracy by **12%** through optimized feature engineering and data preprocessing.

Web Developer Intern

Vault of Codes | Nov 2023 – Jan 2024

- Developed responsive web applications with HTML, CSS, JavaScript, and integrated data visualizations.
- Collaborated with **UI/UX** and analytics teams to improve user experience and optimize data presentation.
- Enhanced user engagement by **20%** through improved interface design and data accessibility.

PROJECTS

BuildPilot – Agentic MVP Generator with MCP

- Built a **multi-agent system** with **LangGraph** and **MCP** for autonomous research, planning, and deployment.
- Delivered MVP deployment in under 5 minutes with **90%** functional code out-of-the-box.

AutoDevOps – LLM-Powered Infrastructure Orchestration

- Developed an AI-driven DevOps platform to translate plain English into infrastructure deployment.
- Cut manual DevOps setup time by **95%** with IaC auditability and rollback support.

Multi-Agent Travel Assistant with LangGraph

- Designed an **AI-powered travel assistant** for personalized destination, hotel, and activity recommendations.
- Built an AI-curated itinerary planner enabling seamless end-to-end travel planning.

EDUCATION

Bachelor Of Technology - Computer Science Engineering (AI/ML)

Siddharth Institute of Engineering and Technology, Puttur, AP | **CGPA: 8.62/10**

CERTIFICATIONS

- **Data Analytics Virtual Internship – Deloitte** (Data cleaning, transformation, visualization on datasets)
- **Oracle Cloud Infrastructure 2025 Certified Generative AI Professional**