

Arava Bhagyasree

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Career Objective

To pursue a career in Artificial Intelligence and Data Science, leveraging my skills in Python, Machine Learning, and Generative AI to develop intelligent, data-driven solutions that create real-world impact.

Education

Master of Computer Applications (MCA)	Sri Venkateswara University, Tirupati	2022–2025	CGPA: 8.1/10
Bachelor of Computer Applications (BCA)	Rao's Degree College, Nellore	2018–2021	CGPA: 9.15/10

Internship Experience

- Machine Learning Intern** – Cognifyz Technologies (Jul–Aug 2025)
- Developed and fine-tuned supervised learning models (Logistic Regression, Random Forest, SVM).
 - Applied techniques in data preprocessing, feature engineering, and model evaluation.
- Data Analysis Intern** – Cognifyz Technologies (Apr–May 2025)
- Conducted Exploratory Data Analysis (EDA) on restaurant data identifying top cuisines and trends.
- Web Development Intern** – IIIT (Dec 2024–Feb 2025)
- Built and optimized dynamic web pages using HTML and CSS to enhance performance and UX.

Key Projects

- MediFlow AI – Hospital Assistant:** Built an AI-powered hospital triage & management system using LangGraph, LangChain, and Groq LLM.
- RAG Model Development:** Designed a Retrieval-Augmented Generation pipeline using LangChain, Chroma, and Google Generative AI embeddings.
- Finance Agent AI:** Developed a finance-focused AI agent using Groq LLaMA3 and LangChain tools for real-time reasoning.
- Gemini Chat Assistant:** Built a Streamlit-based real-time chat assistant powered by Google Gemini 1.5 Flash.

Technical Skills

- Languages:** Python, SQL, HTML, CSS
- AI/ML:** Supervised & Unsupervised Learning, NLP, Generative AI, Deep Learning (Keras, PyTorch)
- Frameworks:** Scikit-learn, TensorFlow, LangChain, Hugging Face
- Visualization:** Power BI, Matplotlib, Seaborn
- Cloud:** AWS

Leadership & Achievements

- Awarded **Best Cadet** three times in NCC and organized Yoga Day across colleges.
- Runner-up in Tech Quiz at Cynosure Tech Fest for AI & ML innovation.