

Yogananda Manjunath

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SUMMARY

Data Scientist and Analyst with 4+ years of experience building data pipelines, machine learning models, and reporting systems across nonprofit and enterprise environments. Proficient in Python, SQL, and ML frameworks for predictive modeling, NLP, and insight generation. Skilled in translating complex data into scalable, real-world solutions.

EDUCATION

University of New Haven, West Haven, Connecticut
Master's Degree in Data Science

Aug 2024 - May 2026
GPA: 3.69

Cambridge Institute of Technology, Bengaluru, India
Bachelor of Engineering in Electronics and Communication

Aug 2017 - Aug 2021
GPA: 3.2

SKILLS

- Machine Learning & AI: Scikit-learn, TensorFlow, PyTorch, NLP, LLMs, LangChain, FAISS, RAG Pipelines
- Programming & Web: Python, SQL, HTML, CSS, JavaScript
- Data & Cloud: AWS, Data Pipelines, ETL, Data Integrity
- BI & Visualization: Power BI, Tableau, Excel (Pivot Tables, KPI Tracking), Dashboard Development
- Databases: SQL, SQL Server, Database Applications
- Core Strengths: Problem-Solving, Critical Thinking, Cross-Functional Collaboration, Attention to Detail

WORK EXPERIENCE

GoGreenLocally.org (Nonprofit), Nevada | Workflow Automation Intern

Jan 2026 - May 2026

- Automated reporting workflows by integrating donation and transaction datasets into a centralized system, reducing manual reconciliation effort by 40% and improving data integrity through validation checks, consistent documentation, and reporting.
- Employed: Python, Data Pipelines, Microsoft Excel, Data Validation, Automation, Zapier

University of New Haven | Research Assistant

Aug 2024 - Present

- Built ML-assisted data collection and processing workflows to standardize datasets and surface trends, improving data reliability by 30% and supporting research reporting and stakeholder updates.
- Employed: Python, Data Analysis, Machine Learning, Quality Controls, Research Documentation

Downtown Evening Soup Kitchen (Nonprofit), New Haven | Data Analyst

Nov 2025 - Dec 2025

- Consolidated operational datasets, ran SQL validation checks, and built Power BI dashboards that improved reporting accuracy by 75% and enabled data-driven program and cost decisions.
- Employed: SQL, Power BI, Data Integrity, Stakeholder Reporting, Dashboard Development

Tech Mahindra (Client: AT&T, USA) | Software Engineer

Feb 2021 - Sept 2023

- Validated and processed large-scale telecom datasets, resolved data inconsistencies, and maintained reporting pipelines, improving reporting accuracy by 50% across cross-functional teams.
- Employed: SQL, Data Validation, ETL, Data Integrity, Cross-Functional Collaboration

Hebeon Technologies Pvt Ltd, Hyderabad (India) | Data Analyst Intern

Jul 2020 - Aug 2020

- Cleaned financial datasets, implemented QA checks, and produced recurring reports improving downstream accuracy by 25% through structured data handling and documentation.
- Employed: Python, SQL, NumPy, Pandas, Excel, QA Validation, Reporting, Attention to Detail

ACADEMIC PROJECT EXPERIENCE

FAISS-Indexed RAG Pipeline for Clinical NLP - Diabetes & Hypertension QA | University of New Haven

Dec 2025 - Jan 2026

- Built a RAG system using LangChain, FAISS, and MiniLM embeddings over 9 medical documents, reducing hallucinations and improving clinical QA accuracy with GPT-2 family models through structured retrieval, contextual grounding, and optimized document chunking and similarity search tuning.
- Employed: Python, LangChain, FAISS, NLP, RAG, MiniLM Embeddings, GPT-2

Real-Time Market Prediction with Big Data using AWS | University of New Haven

Nov 2025 - Dec 2025

- Built an end-to-end ML pipeline combining yfinance and NewsAPI data, performed data cleaning and feature engineering, trained a sentiment prediction model on AWS SageMaker achieving 82% classification accuracy, automated data storage in S3, and visualized real-time insights via AWS QuickSight dashboards and an interactive Streamlit application.
- Employed: Python, AWS SageMaker, NLP, Sentiment Analysis, Machine Learning, NewsAPI, Streamlit, QuickSight

Hunger Gap Analysis - Capital Area Food Distribution Dashboard | University of New Haven

May 2025 - Dec 2026

- Analyzed food insecurity gaps across DC, MD, VA using Capital Area Food Bank data, identified Maryland's 34% unmet demand shortfall, and built a Power BI dashboard enabling DESK data-driven resource planning.
- Employed: Power BI, Excel, Data Analysis, Food Insecurity Analytics, Dashboard Development, Nonprofit Reporting