

# Jyothsna Suggula

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## Summary

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**Data Scientist** with 2 years of experience in developing and deploying NLP and LLM-based models using Python. Proficient in developing scalable AI/ML solutions on Azure, with expertise in SQL and data modeling. Strong analytical abilities, translating business challenges into effective technical solutions. Exhibited leadership in team management and mentoring, driving high performance managing client interactions across two business domains.

## Experience

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**Data Scientist**, Genpact – Bangalore

Aug 2023 – Present

**Project 1: Engineered and deployed an automated reconciliation solution for unstructured claim documents for a global FMCG company**

- Processed **15,000 claims** from Top 24 customers covering **50% of claims volume**, while handling **30+ templates** with varying layouts
- Built an automated claims reconciliation pipeline using **Azure Blob Storage** for ingestion, **Azure Document Intelligence** for extraction, **OpenAI (GPT-4o)** for structuring, and **Azure SQL Database** for data storage; leveraged **GPT-4o**, **Fuzzy Matching**, **TF-IDF**, and rule-based reconciliation logic to match claimed items to invoices and evaluate claim validity
- Achieved **88% accuracy** in claim acceptance/rejection with explainable rationale, enabling **7 FTE** savings and boosting efficiency by automating validation and detecting duplicate claims

**Project 2: Developed a machine learning-driven Price Pack Architecture (PPA) tool for a leading CPG giant, designed predict the impact of price and pack size changes on market dynamics**

- Managed and analyzed **3 segments** of Nielsen and eCommerce data across **25+ markets**, with **10M+ records** per segment spanning 4 years
- Created an end-to-end, **Azure-based** pricing analytics pipeline leveraging Python and PySpark, integrating advanced models such as **LMs**, **Random Forest**, **Linear Regression**, and **XGBoost**; incorporated elasticity modeling and seasonality indexing, and built an interactive **UI/UX** to simulate future market scenarios
- Delivered **86% accuracy** in forecasting product behavior, enabling simulation of **1,000+ price-pack** combinations across **6,000+ SKUs** and multiple channels; provided a scalable, insight-driven solution for optimized pricing and packaging decisions

**Internship**, Genpact – Bangalore

Mar 2023 – Jul 2023

**MVP 1: Digitized Policy Data Entry**

- Engineered a Generative AI-powered solution leveraging OpenAI (GPT-3.5) and Azure to digitize policy data by extracting and structuring information into a standardized format; crafted a Streamlit-based interface for smooth user engagement

**MVP 2: Contract Summarization System**

- Pioneered an AI-driven contract analysis platform on Azure using LLMs to extract key takeaways, summarize sections, and capture condition-specific data with section titles and page references; integrated a Streamlit UI for effective navigation

## Achievements

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**Overall Performer Award 2023** *Recognized for making a significant impact within the organization*

**YoDA Master Award** *Recognized for outstanding project delivery, contributing to 2 ongoing client engagements*

**Won Code for Good Hackathon 2022** *Led and contributed to an innovative sustainability solution for an NGO, streamlining operations and maximizing community impact at JP Morgan Chase & Co.'s event*

## Education

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**SASTRA Deemed To Be University, Thanjavur**

Jul 2019 – Apr 2023

B.Tech. in Computer Science, CGPA: 8.8

**Narayana Junior College, Hyderabad**

Jun 2017 – Jun 2019

Senior Secondary, Percentage : 96.6%

## Technologies

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**Skills:** Python, PySpark, SQL, Machine Learning, Generative AI, Large Language Models (LLMs), Prompt Engineering, Retrieval-Augmented Generation (RAG), Agentic AI, Langchain, Data Preprocessing, Exploratory Data Analysis (EDA), Feature Engineering, Natural Language Processing (NLP), Text Analytics, Sentiment Analysis, Power BI, Microsoft Azure, Google Cloud Platform (GCP), Azure OpenAI, Git, Jupyter Notebook, Streamlit