

SIRISHA JAMPANA

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CAREER OBJECTIVE

An energetic and passionate fresher excited to start a professional career, committed to continuous learning and self-improvement, and eager to contribute innovative ideas and strong work ethic to achieve organizational goals.

EDUCATION

GITAM UNIVERSITY, *B.Tech in Computer Science* | HYD GPA: **7.74 / 10.0** July 2025
Courses: Python | Big Data Analysis | DBMS | Data Structures | Computer Networks | Operating System | Data Science

PROJECTS

Social Media Analytics for Brand Performance | *Python, FastAPI, React.JS, WebScraping* Aug 2024 - Jan 2025

- Developed an end-to-end web application to analyze and compare social media performance of leading brands.
- Extracted real-time social media engagement data using web scraping techniques for performance evaluation.
- Built RESTful APIs using Python and FastAPI to process analytics data efficiently.
- Designed a custom weighted scoring algorithm based on engagement metrics with dynamic weight adjustments.
- Implemented a React-based UI to allow interactive metric configuration and visualization of brand performance.
- Generated actionable insights on brand performance and competitive positioning through structured data analysis and visual dashboards.

Aspect-Based Sentiment Analysis | *NLP, Text Mining, Machine Learning, Data Analysis* Dec 2023 - May 2024

- Designed and implemented an aspect-level sentiment analysis system to extract deeper insights from customer reviews beyond overall sentiment.
- Performed text preprocessing, tokenization, and feature extraction to identify sentiments associated with specific aspects such as price, quality, and usability.
- Applied machine learning techniques to classify sentiment at the aspect level for improved analytical accuracy.
- Created sentiment trend visualizations to support data-driven business decision-making.

Website on Admission Portal | *HTML, CSS, JavaScript* Sept 2023 - Dec 2023

- Developed a secure web-based admission portal with role-based authentication for different user access levels.
- Implemented a responsive user interface with client-side validation and a modular, maintainable code structure.
- Followed complete SDLC phases including requirement analysis, development, testing, and documentation to ensure system reliability.

SKILLS

Programming & Scripting	Python, JavaScript, SQL HTML, CSS
Frameworks & Libraries	FastAPI, Flask, Angular, React, Node.js (Basics)
AI, ML & NLP	LLMs, Prompt Engineering, Sentiment Analysis, Time-Series Forecasting
Tools & Platforms	Git (PRs, Code Reviews), Figma, VS Code
Cloud & Databases	Azure (Data Factory, SQL Server), MySQL
Data Engineering	REST APIs, Data Pipelines, Web Scraping, ETL
Visualization	Plotly, Power BI
Concepts	OOP, Data Structures, Algorithms, Debugging, Refactoring, Design Patterns

Certifications

- Azure Data Fundamentals** *Microsoft Azure*
- Career Essentials in Software Development** *Microsoft*
- Python Programming** *Coursera*
- Data Structures** *Coursera*

VOLUNTEERING & EXTRA-CURRICULAR

MAD (Make A Difference) | Academic Volunteer & Mentor June 2023 - April 2024

- Teached Mathematics and English to underprivileged children as an Academic Support Volunteer.
- Provided mentorship and guidance to help children achieve their potential and work towards a brighter future.

INTERACTO CLUB GITAM | Founder & Lead Organizer June 2022 - July 2025

- Founded and lead the INTERACTO CLUB with the core agenda of "LEARN-FROM-LEARNT."
- Organized events to facilitate interactions between incoming students, alumni, & senior members of GITAM.
- Provided valuable opportunities for freshers to seek guidance and insights from experienced individuals of GITAM.