Manchikanti Laxmi Tej

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EDUCATION

- **Vellore Institute of Technology, CGPA: 8.60** — Bhopal, Madhya Pradesh
  Bachelor of Technology in Computer Science and Engineering, (Specialization in AI & ML) — *August 2021 – June 2025*
- **New Chaitanya Junior College, Percentage: 92.10%** — Hyderabad, Telangana
- **Narayana Concept School, CGPA: 9.3** — Hyderabad, Telangana

TECHNICAL SKILLS

- Skills: Python, SQL, PostgreSQL, Microsoft Excel, Microsoft Power BI, ETL Pipelines, Machine Learning

CERTIFICATIONS

- Data Analysis with Python by IBM, Coursera (February 2025)
- Databases and SQL for Data Science with Python by IBM, Coursera (September 2024)

PROJECTS

BlinkIT Grocery Sales Analytics (January 2025)

- Analyzed grocery sales data of 8,500+ records using Python, Excel, and Power BI to identify trends in product performance, customer preferences, and sales patterns across various store types and locations. Built an interactive dashboard to provide real-time insights and drive data-driven decisions.
- Processed key metrics such as item visibility, Item Type and sales distribution by outlet and location. Addressed missing data challenges and optimized reporting through dynamic filters, enhancing business intelligence and operational efficiency.

Weather Data ETL Pipeline (March 2025)

- Developed an ETL pipeline for weather data extraction using Apache Airflow, enabling automated data ingestion from the Open-Meteo API and data storage in PostgreSQL.
- Implemented efficient data transformation logic to clean and organize weather metrics such as temperature, wind speed, and direction, ensuring data consistency and accuracy and utilized Docker Compose for seamless deployment of Airflow and PostgreSQL services, ensuring scalability and simplified environment management.

INTERNSHIPS

Unified Mentor — June 2024 – July 2024
Data Analyst Intern — *Remote*

- Leveraged Excel and Power BI to create detailed financial analysis and employee attrition projects, uncovering key trends and metrics that informed strategic decisions.
- Utilized Numpy, Pandas, and Seaborn for conducting in-depth statistical analysis, which significantly enhanced the reliability of insights.
- Delivered actionable insights into employee attrition rates, directly influencing HR decisions, and improving retention strategies, while also optimizing financial reporting processes for better business outcomes.

ACHIEVEMENTS

- Qualified for finals in KIRIT 3.0 Case Study Event by Kirloskar Industries.
- Qualified for Round 2 in EY Techathon.

EXTRA CURRICULARS

- Successfully conducted events like Vivaan'24, Bathukamma in Telugu Club and managed over 1500 members as a discipline committee member.
- Tata Data Visualization: Empowering Business with Effective Insights Job Simulation, Forage (June 2024)

LANGUAGES AND HOBBIES

- Languages: English, Hindi, Telugu
- Hobbies: Playing and watching Cricket, Playing Video games like Valorant, Listening to Music.