

Lalitha Samyuktha Jayanthi

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Visakhapatnam

Value Proposition

Detail-oriented Data Science graduate with a strong foundation in data analysis, skilled in gathering, cleaning, and validating data from various sources to uncover insights through exploratory data analysis (EDA) and statistical techniques. Proficient in creating visualizations, dashboards, and reports using tools like Power BI, Tableau, and Excel. Experienced in building simple data pipelines and ensuring data accuracy, reproducibility, and documentation through hands-on projects. Eager to collaborate with teams to translate business requirements into analytical solutions while continuously learning industry trends in data technologies.

Education

- B. Tech | CSE-Data Science | Avanthi Institute of Engineering and Technology | 2025 | 7.88 CGPA
- Intermediate | Sri Chaitanya Jr. College | 2021 | 9.12 CGPA
- Tenth | Sri Chaitanya School | 2019 | 9.5 CGPA

Technical Proficiencies

- Data Gathering & Cleaning:** Pandas, SQL, Data Validation
- Analysis Techniques:** Exploratory Data Analysis (EDA), Statistical Methods, Data Mining
- Visualization Tools:** Power BI, Tableau, Excel (Charts, Graphs, Dashboards)
- Programming & Pipelines:** Python, PySpark, Simple Data Pipelines (Airflow)
- Other:** Collaboration, Business Requirements Translation, Documentation, Reproducibility
- Soft Skills:** Presentation, Continuous Learning, Teamwork

Projects

Healthcare Data Analysis Dashboard Personal Project

- Gathered and integrated data from internal (CSV files) and external sources (public APIs) to create a dataset of patient health metrics for analysis.
- Maintained, cleaned, and validated data using Python (Pandas) to ensure accuracy and completeness, removing duplicates and handling missing values for 5,000+ records.
- Organized raw data into structured formats and performed exploratory data analysis (EDA) to uncover trends in patient outcomes, identifying a 15% correlation between lifestyle factors and recovery rates.
- Applied statistical techniques and data mining tools (e.g., SciPy, Scikit-learn) to analyze large datasets and derive insights on disease patterns.
- Developed interactive dashboards and reports using Power BI to summarize findings, including charts and graphs visualizing key trends.
- Presented analytical results via a simulated stakeholder demo, translating insights into actionable recommendations.
- Documented processes and methodologies for reproducibility, ensuring transparency in analytical work.

E-Commerce Sales Trend Analysis Pipeline

- Collaborated with a team of 4 to gather sales data from various sources, including databases and web scraping, to build a comprehensive dataset.
- Cleaned and validated data for accuracy, organizing raw data into structured formats suitable for analysis.
- Conducted EDA to identify patterns and trends in customer behavior, using statistical methods to forecast sales with 85% accuracy.
- Built a simple data pipeline using Python (Airflow) for routine data processing tasks, automating extraction and transformation of 10,000+ records.

- Created clear visualizations (charts, graphs) and dashboards in Tableau to present insights on revenue trends and product performance.
- Assisted in translating business requirements into analytical solutions by aligning analysis with simulated e-commerce goals.
- Maintained documentation for datasets and processes, staying updated with best practices in data analysis tools.

Financial Data Mining and Reporting Tool

- Sourced and integrated financial data from external APIs and spreadsheets, ensuring data completeness through validation checks.
- Performed data cleaning and organization, applying data mining techniques to large datasets for pattern recognition in stock trends.
- Utilized statistical tools (e.g., R for regression analysis) to analyze datasets and uncover insights on market volatility.
- Developed reports and visualizations in Excel, including pivot tables and graphs, to summarize findings for easy stakeholder understanding.
- Simulated collaboration by incorporating feedback from peers to refine analytical approaches and ensure alignment with business needs.
- Focused on continuous learning by exploring new techniques in data technologies, with full documentation for reproducibility.

Internships & Simulations

- AI Intern – AIMER Society | 8 Weeks
- ML Intern – Indian Servers | 8 Weeks
- Data Science Intern – Yhills | 8 Weeks
- Data Science Intern – Prodigy | 4 Weeks
- Job Simulation – TCS | Forage Platform

Certifications

- Google Cloud Gen AI
- Microsoft PowerBI
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.

Professional Attributes

- Critical Thinking: Ability to analyze complex data sets and identify patterns.
- Pattern Recognition: Recognizing trends and anomalies in data.
- Risk and Controls: Understanding of risk management and control frameworks.
- Business Acumen: Ability to understand business objectives and align data analysis with business goals.
- Strategic Thinking: Developing strategic solutions to complex business problems.
- Digital and Technology: Utilizing digital tools and technologies to drive business outcomes.