Lalitha Samyuktha Jayanthi

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Value Proposition

Results-driven recent graduate in Data Science, passionate about building scalable data solutions. Thorough in handling structured and unstructured data, developing machine learning models, and collaborating across teams. Eager to deliver impactful insights through advanced analytics, automation, and visualization using Python, SQL, and emerging AI 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

Skills

- Python (Pandas, NumPy, Scikit-learn)
- SQL, Relational Databases
- Data Processing: Structured, Semi-structured, Unstructured
- Machine Learning: Decision Trees, Random Forests
- NLP Techniques: Word2vec, Bag-of-Words, Embeddings
- Deep Learning: TensorFlow, PyTorch (beginner-intermediate)
- Data Visualization: Tableau, Power BI, Matplotlib
- Git, REST APIs, Web Scraping (HTML/CSS)
- Docker/Kubernetes (basics), Prompt Engineering
- Exploratory Data Analysis (EDA)
- Analytical Thinking, Communication, Teamwork

Projects

1. Automated Resume Parser & Classifier

- Developed a Python tool to extract and classify data from PDF resumes using NLP (bag-of-words, word2vec) and Scikit-learn.

- Trained model to categorize resumes into job roles with 87% accuracy using Random Forests.

- Deployed extraction pipeline with Docker, maintained versioning in Git, visualized classifications in Tableau.

2. Social Media Sentiment Dashboard

- Scraped tweets/posts using REST APIs and Python, processed textual data via Pandas and NLTK for EDA.

- Built and fine-tuned a sentiment analysis model (Scikit-learn, word2vec), achieving 85% accuracy on a public dataset.

- Created interactive Tableau dashboard for insights, highlighted trends for both technical and non-technical audiences.

3. Medical Document Data Extraction & Analysis

- Programmed a pipeline to extract semi-structured data from XML and scanned PDFs (OCR), integrate into SQL database.

- Performed EDA on patient records to uncover patterns in hospital visits, using Matplotlib and Power BI for reporting.

- Deployed as a proof-of-concept with Jupyter Notebooks, provided end-user documentation.

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

• Infosys Springboard certification in Software Engineering and Agile development.

• Data Analytics by Jobaaj Learnings.

• SQL by Oracle.