Lalitha Samyuktha Jayanthi

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Value Proposition

Highly motivated and results-oriented Data Science graduate with a strong foundation in machine learning and data analysis. Seeking to leverage skills in **Python**, **SQL**, and **ML algorithms** to contribute to the development of innovative solutions and generate actionable insights. Eager to apply knowledge of **Gen AI** and **cloud** technologies in a dynamic business environment.

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

Programming Languages: Python, SQL

Machine Learning: Supervised and Unsupervised Learning, Regression, Classification, Clustering, Scikit-learn

Deep Learning: Neural Networks, TensorFlow, Keras, PyTorch

Generative AI: Transformers, Large Language Models (LLMs)

Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Power BI

Cloud Platforms: AWS, ServiceNow

Other Tools: Git, Jupyter Notebooks

Projects

1. Customer Churn Prediction using Machine Learning

- Developed a machine learning model to predict customer churn for a telecommunications company.
- Performed **data exploration** and **feature engineering** using **Python** and **Pandas** to prepare the dataset.
- Explored various **ML algorithms** including Logistic Regression, Random Forest, and Gradient Boosting.
- Achieved an accuracy of 90% and identified key factors influencing customer churn, providing actionable **insights**.

2. Image Classification with Deep Learning

- Built and trained a Convolutional Neural Network (CNN) using **TensorFlow** and **Keras** to classify images from the CIFAR-10 dataset.

- Conducted **deep dive analyses** on model performance, experimenting with different network architectures and hyperparameters.
- Successfully improved the model's accuracy from 70% to 85% by implementing data augmentation techniques.

3. NLP-based Text Generation using Generative AI

- Developed a text generation model using a Transformer-based architecture (**Gen AI**) to create short stories.
- Pre-processed and cleaned a large corpus of text data, gaining experience in natural language processing techniques.
- Deployed the model on a local server to showcase its ability to generate coherent and contextually relevant text.

4. E-commerce Sales Analysis with SQL

- Used **SQL** to query and analyze a large e-commerce sales database.
- Wrote complex queries to identify top-selling products, regional sales trends, and customer purchasing behavior.
- Presented key **data exploration and insights** to a mock stakeholder, demonstrating the impact of data-driven decisions.

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.

Professional Attributes

• Versatility
• Leadership
• Problem-solving
• Collaboration
• Creativity
• Communication
• Adaptability
• Initiative
• Problem-Solving
• Teamwork
• Attention to Detail
• Time Management