DULLA LOKESH VEERA SAI NANDAN

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EDUCATION

Pragati Engineering College(Surampalem)   **2023-2026**

Bachelor of Technology (B.Tech), Computer Science Engineering   CGPA:(**7.65**/**10**)

EXPERIENCE

AICTE Altair Data Science Virtual Internship   **JULY-SEP 2024**

- Gained hands-on experience in **data preprocessing, statistical analysis, and predictive modeling**.
- Worked with **Python**, **Pandas**, and **Scikit-learn** to analyze datasets and derive insights.

Interview Buddy ML/NLP Engineer Internship   **DEC-Ongoing**

- Created a business backend for topics and pricings using FastAPI,SQLAlchemy,PyDantic,Docker,Postgres.
- Created a core utility module for server logging,RESTful API for data quality analysis.

PROJECTS

Full-Stack E-commerce Data Management System

(Python, MySQL, FastAPI, Docker, SQLAlchemy, PyDantic)

- Built a **RESTful API using FastAPI** to manage customers, products, and sales records.
- Designed a normalized **MySQL** database with indexes to optimize performance.
- Implemented **CRUD** operations with **SQLAlchemy ORM** and documented endpoints via Swagger UI.
- Containerized the application using **Docker** and Docker Compose for reliable deployment.

Built A Production Ready Analytics API End Point

(Python,FastAPI,SQLAlchemy,TimescaleDB)

- Developed a scalable API endpoint to serve real-time and historical analytics data.
- Integrated **TimescaleDB** to efficiently manage and query time-series data.
- Used **SQLAlchemy** for ORM-based interaction with the database.
- Implemented best practices for deployment readiness, including structured logging and performance tuning.

Customer Churn Prediction Using Machine Learning

(Python, Pandas, Scikit-learn, XGBoost, Matplotlib)

- Performed **EDA and data preprocessing** on a customer dataset loaded from CSV.
- Applied encoding, missing value handling, and feature scaling to prepare data.
- Trained and evaluated **Decision Tree, Random Forest, and XGBoost models**.
- Assessed model performance using accuracy, precision, and ROC-AUC metrics.

Future Projects: End-to-End Data Engineering & ML Pipeline (**Planned**): Building a DBMS, ETL pipeline, data warehouse, and ML model using MySQL, FastAPI, Airflow, PostgreSQL, Snowflake, and Scikit-Learn.

TECHNICAL SKILLS

- **Languages and Frameworks:** python, java, C, CSS, HTML, JavaScript, SQL, React, FastAPI,PowerBI
- **Tools and Platforms:**MySQL, SQLAlchemy, Git, GitHub,Docker, Pandas, Numpy, Scikit-learn, AWS, GCP.

CERTIFICATIONS

- **Amazon Ml Summer School 2025:** Selected for an advanced program by Amazon scientists covering ML, Deep Learning, and Generative AI with hands-on problem-solving.
- **Google Cloud Arcade Facilitator:** Hands-on cloud training on Google Cloud services.