

SWETHA KALAKOTI

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GitHub | LinkedIn

PROFESSIONAL SUMMARY

Computer Science and Data Science undergraduate skilled in Python, SQL, and R, with hands-on experience in data analysis, exploratory data analysis (EDA), visualization, and machine learning using Scikit-learn. Adept at turning data into actionable insights to support data-driven decision making. Seeking opportunities as a Data Analyst or Data Scientist.

EDUCATION

Guru Nanak Institutions Technical Campus, Hyderabad	2022 – 2026
B.Tech in Computer Science and Data Science	CGPA: 8.3
Sri Chaitanya Junior College	2020 – 2022
Intermediate	Percentage: 91%
Sri Chaitanya School	2020
SSC	CGPA: 9.5

PROJECTS

Flight Delay Detection Using Machine Learning Python, Scikit-learn

- Developed a machine learning application to predict flight delays using historical flight, weather, and scheduling data.
- Performed data preprocessing, feature engineering, and exploratory data analysis to improve prediction accuracy.
- Implemented Logistic Regression, Decision Tree, and Random Forest algorithms using Scikit-learn.
- Strengthened understanding of machine learning workflows, data preprocessing, and model evaluation.
- Technologies: Python, Pandas, NumPy, Matplotlib, Scikit-learn.

Hidden Scholarship Finder for Students Python, FastAPI, Streamlit

- Developed a scholarship recommendation system using FastAPI and Streamlit.
- Built REST APIs to filter scholarships based on student eligibility.
- Designed an interactive user interface for easy scholarship search.
- Integrated frontend and backend for real-time data retrieval.
- Improved application development and API integration skills.

Fraud Detection in Financial Transactions PySpark, Azure Databricks

- Developed a fraud detection system using PySpark on Azure Databricks.
- Processed and analyzed large-scale financial transaction datasets.
- Built machine learning models using Spark MLlib and Scikit-learn.
- Utilized MLflow for model tracking and performance monitoring.
- Applied big data processing techniques for accurate fraud detection.

TECHNICAL SKILLS

Programming Languages: Python, SQL, R

FRONTEND: HTML, CSS

Data Analysis: Pandas, NumPy, Data Visualization, Exploratory Data Analysis (EDA), Statistical Analysis, Power BI

Machine Learning: Scikit-learn, Logistic Regression, Decision Tree, Random Forest

Databases: SQL, MongoDB

Developer Tools: Git, GitHub, Google Colab, Jupyter Notebook, Anaconda, VS Code