SANABOYINA AKSHARA

Aspiring Data Analyst

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Career objective

An aspiring data analyst with a strong technical knowledge in data analytics, data visualization, python programming language, machine learning, MySQL and Seeking an entry-level data analytics role to apply analytical and technical skills to real-world projects.

Education

B.Tech – Computer Science and Engineering, 2022 – 2026
BABA Institute of Technology and Sciences Visakhapatnam
CGPA: 8.13 / 10

Senior Secondary (Class XII) | CBSE, *Kendriya Vidyalaya INS Kalinga* 2020 – 2022
Percentage: 78% Visakhapatnam

Secondary (Class X) | CBSE, *Kendriya Vidyalaya INS Kalinga* 2010 – 2020
Percentage: 80.45% Visakhapatnam

Technical Skills

Data & Analytics
Pandas, NumPy, Power BI, Excel, Matplotlib, Seaborn

Concepts
Workflow Automation, REST API Data Integration, ETL/Data Pipelines, Data Cleaning & Transformation

Programming & Querying
Python, SQL

Tools & Platforms
Git, GitHub, VS Code, Jupyter

Databases
MySQL (Relational)

Projects

Facial Emotion Detection System

- Developed a **real-time facial expression recognition system** using **Python, TensorFlow, Keras, CNN, and OpenCV** to classify 7 emotions: **angry, disgust, fear, happy, sad, surprise, and neutral**.
- Analyzed **35,887 facial images** from the **FER2013** dataset and applied random oversampling to balance the classes, increasing the dataset to **62,923 images**.
- Trained a **CNN model** for **35 epochs** using **48×48 grayscale facial images and achieved 81.31% test accuracy on 6,293 test images.**
- Integrated **OpenCV Haar Cascade face detection** with the trained model to recognize and display facial emotions through a real-time webcam feed.

Credit Card Fraud Detection and Analysis

- Analyzed **284,807** credit card transactions, including **284,315 legitimate and 492 fraudulent transactions**, using the Kaggle dataset.
- Cleaned the data by removing **1,081 duplicate records**, resulting in **283,726 transactions (283,253 legitimate and 473 fraudulent)**.

- Performed **Exploratory Data Analysis (EDA), correlation analysis, and visualization** to **identify fraud patterns and key transaction features.**
- **Developed a Logistic Regression model using StandardScaler** and an **80:20 train-test** split to **predict fraudulent transactions.**
- Achieved **99.91% accuracy, 82.67% precision, 63.27% recall, and 71.68% F1-score** on the test dataset.

Internship

Data Analytics Intern, *Infyntrek Systems*

- Completed **3 months of Data Analytics training** followed by practical, team-based project work.
- Collaborated in a team of 3 on a **Credit Card Fraud Detection and Analysis project using Python, Pandas, and Power BI.**
- Performed **data cleaning, exploratory data analysis, and fraud pattern identification on 284,807 transactions.**
- Applied **Logistic Regression for fraud prediction** and developed **interactive Power BI dashboards** to present insights.

Certificates

- **Deloitte Australia – Data Analytics Job Simulation (Forage)** —
- **AI Fundamentals – IBM**
- **Power BI Basics – Office Master**
- **Python and Machine Learning Training – Internshala**
- **AWS Cloud Skills – AWS Skill Builder**

Achievements

1st Prize – Paper Presentation (Technical Symposium)

2nd Prize – Technical Quiz