

# PRAKASH REDDY DORASALA

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## EDUCATION

### Bapatla Engineering College, Bapatla

Bachelor of Engineering in Computer Science and Engineering; CGPA: **7.64**

**2021 - 2025**

### Lakshyaa Junior College, Guntur

12<sup>th</sup> (AP state Board), Percentage: **90%**

**2019 – 2021**

### Good News English Medium High School, Gurazalla

10<sup>th</sup> (AP state Board), Percentage: **88%**

**2018 - 2019**

## SKILLS SUMMARY

- **Languages:** Python, SQL, HTML, CSS, JavaScript
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code
- **Soft Skills:** People Management, Excellent communication

## PROJECTS

### Facial Emotion Based Song Recommendation System

**January 25- April 2025**

- Captured real-time facial & hand landmarks using MediaPipe; engineered 1020 normalized features per frame.
- Trained a deep neural network (Keras) achieving ~91.5% accuracy in emotion classification.
- Built a Streamlit web interface for live emotion display and user preference input.
- Implemented YouTube-based music recommendation tailored to detected emotions.

### Credit Card Fraud Detection

**September 24- October 2024**

- Developed and fine-tuned a logistic regression-based machine learning model achieving an 87% accuracy rate in predicting credit card fraud.
- Minimized false positives by 16% through rigorous feature engineering and hyperparameter tuning processes.
- Implemented under-sampling and ensemble techniques to address class imbalance, leading to 15% improved performance.
- Successfully mitigated fraudulent transactions while optimizing model efficiency by 23% and accuracy by 6%.

### Calculator Web Application

**July 23- August 2023**

- Built a responsive calculator using HTML, CSS, and JavaScript with support for basic arithmetic operations.
- Designed a clean, mobile-friendly UI with functional AC and DEL buttons for user convenience.
- Implemented error handling and smooth input evaluation for reliable performance.
- Ensured cross-browser compatibility and efficient front-end logic.

## CERTIFICATES

### Programming in Python (Meta)

**March 2023**

- Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions, and data structures.
- Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.

### Introduction to Data Analyst (IBM) |

**March 2023**

- Learned about the data ecosystem, including the ETL process and big data basics.
- Mastered data gathering, identification, and cleaning for analysis preparation.

### Foundations: Data, Data, everywhere (Google) |

**March 2023**

- Developed a comprehensive understanding of the data life cycle and various stages involved in the data analysis.
- Introduced to diverse applications designed to streamline and optimize the data analysis journey, enhancing efficiency and a