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
12th (AP state Board), Percentage: **90%**   **2019 – 2021**
Good News English Medium High School, Gurazalla
10th (AP state Board), Percentage: **88%**   **2018 - 2019**

SKILLS SUMMARY

- **Languages**:   Python, SQL, HTML, CSS, JavaScript, PostgreSQL
- **Databases:**   PostgreSQL
- **Frameworks / Libraries:** React (Basics), Django
- **Platforms**:   Jupyter Notebook, Visual Studio Code, GitHub, AWS
- **Soft Skills**:   Excellent Communication, People Management, Team Leadership, Problem-Solving, Time Management.

PROJECTS

Digital ID Management System   **October 25- December 2025**
- o   Developed a Django-based Digital ID Management System with secure authentication and role-based access.
- o   Implemented dynamic digital ID cards with QR code generation and PDF export functionality.
- o   Integrated PostgreSQL database and optimized data handling for improved performance and scalability.
- o   Deployed the application using production-ready configuration and security best practices.

Facial Emotion Based Song Recommendation System   **January 25- April 2025**
- o   Captured real-time facial & hand landmarks using MediaPipe; engineered 1020 normalized features per frame.
- o   Trained a deep neural network (Keras) achieving ~91.5% accuracy in emotion classification.
- o   Built a Streamlit web interface for live emotion display and user preference input.
- o   Implemented YouTube-based music recommendation tailored to detected emotions**.**

Calculator Web Application   **July 24- August 2024**
- o   Built a responsive calculator using HTML, CSS, and JavaScript with support for basic arithmetic operations.
- o   Designed a clean, mobile-friendly UI with functional AC and DEL buttons for user convenience.
- o   Implemented error handling and smooth input evaluation for reliable performance.
- o   Ensured cross-browser compatibility and efficient front-end logic.

CERTIFICATES

Programming in Python (Meta)   **June 2024**
- o   Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions, and data structures.
- o   Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.

Introduction to Data Analyst (IBM) | **April 2024**
- o   Learned about the data ecosystem, including the ETL process and big data basics.
- o   Mastered data gathering, identification, and cleaning for analysis preparation.

Machine Learning Foundations (SpyPro) | **March 2022**
- o   Gained a solid understanding of core machine learning concepts, algorithms, and workflows.
- o   Learned how to preprocess data, build predictive models, and evaluate model performance effectively.
- o   Explored practical tools and techniques used to streamline the machine learning pipeline and enhance overall efficiency.