

# PRAKASH REDDY DORASALA

Email: [prakashreddydorasala2003@gmail.com](mailto:prakashreddydorasala2003@gmail.com)  
Mobile: +91 7207153445

## EDUCATION

|   |                    |
|---|--------------------|
| <b>Bapatla Engineering College, Bapatla</b><br>Bachelor of Engineering in Computer Science and Engineering; CGPA: <b>7.64</b> | <b>2021 - 2025</b> |
| <b>Lakshyaa Junior College, Guntur</b><br>12 <sup>th</sup> (AP state Board), Percentage: <b>90%</b>                           | <b>2019 – 2021</b> |
| <b>Good News English Medium High School, Gurazalla</b><br>10 <sup>th</sup> (AP state Board), Percentage: <b>88%</b>           | <b>2018 - 2019</b> |

## SKILLS SUMMARY

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

## PROJECTS

|  |                                   |
|--|-----------------------------------|
| <b>Facial Emotion Based Song Recommendation System</b><br><ul style="list-style-type: none"><li>○ Captured real-time facial &amp; hand landmarks using MediaPipe; engineered 1020 normalized features per frame.</li><li>○ Trained a deep neural network (Keras) achieving ~91.5% accuracy in emotion classification.</li><li>○ Built a Streamlit web interface for live emotion display and user preference input.</li><li>○ Implemented YouTube-based music recommendation tailored to detected emotions.</li></ul>  | <b>January 25- April 2025</b>     |
| <b>Credit Card Fraud Detection</b><br><ul style="list-style-type: none"><li>○ Developed and fine-tuned a logistic regression-based machine learning model achieving an 87% accuracy rate in predicting credit card fraud.</li><li>○ Minimized false positives by 16% through rigorous feature engineering and hyperparameter tuning processes.</li><li>○ Implemented under-sampling and ensemble techniques to address class imbalance, leading to 15% improved performance.</li><li>○ Successfully mitigated fraudulent transactions while optimizing model efficiency by 23% and accuracy by 6%.</li></ul> | <b>September 24- October 2024</b> |
| <b>Calculator Web Application</b><br><ul style="list-style-type: none"><li>○ Built a responsive calculator using HTML, CSS, and JavaScript with support for basic arithmetic operations.</li><li>○ Designed a clean, mobile-friendly UI with functional AC and DEL buttons for user convenience.</li><li>○ Implemented error handling and smooth input evaluation for reliable performance.</li><li>○ Ensured cross-browser compatibility and efficient front-end logic.</li></ul>   | <b>July 23- August 2023</b>       |

## CERTIFICATES

|  |                   |
|--|-------------------|
| <b>Programming in Python (Meta)</b><br><ul style="list-style-type: none"><li>○ Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions, and data structures.</li><li>○ Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.</li></ul>                                 | <b>March 2023</b> |
| <b>Introduction to Data Analyst (IBM)  </b><br><ul style="list-style-type: none"><li>○ Learned about the data ecosystem, including the ETL process and big data basics.</li><li>○ Mastered data gathering, identification, and cleaning for analysis preparation.</li></ul>  | <b>March 2023</b> |
| <b>Foundations: Data, Data, everywhere (Google)  </b><br><ul style="list-style-type: none"><li>○ Developed a comprehensive understanding of the data life cycle and various stages involved in the data analysis.</li><li>○ Introduced to diverse applications designed to streamline and optimize the data analysis journey, enhancing efficiency and a</li></ul> | <b>March 2023</b> |