

SAI CHARAN BALDE

Nizamabad, Telangana

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Projects

Audio Emotion Detector — *Python, Machine Learning, Decision Tree, CNN, MLP* 2024

- Developed a machine learning project to predict speakers' emotions based on their tone.
- Used Mel-Frequency Cepstral Coefficients (MFCC) for feature extraction from audio samples.
- Experimented with Decision Tree, CNN, and MLP models.
- Achieved 91% accuracy using a Multi-Layer Perceptron (MLP).

HR Attraction Dashboard — *Tableau, Data Visualization* 2024

- Developed an interactive Tableau dashboard to visualize key HR metrics.
- Integrated various HR data sources to create dynamic visualizations for workforce analytics.

Languages: Python, Java, C, C++, DSA

Developer Tools: VS Code, Android Studio, MySQL

Technologies/Frameworks: HTML and CSS, Bootstrap

Certifications

Completed the **DSA Self-Paced Course** on GeeksforGeeks (2024), gaining proficiency in data structures and algorithms.

Data Structure And Algorithm through C++ - self Paced By CFG.

Cloud Computing in NPTEL

Achievements

Solved **100+ Data Structures and Algorithms (DSA)** problems across platforms like LeetCode, and GeeksforGeeks, improving problem-solving skills.

Education

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| Lovely Professional University <i>BTech - Computer Science and Engineering - CGPA - 6.85</i> | 2022 - Present <i>Phagawara, Punjab</i> |
| Srichaithanya Junior College <i>Intermediate - 94.6%</i> | 2019 - 2021 <i>Hyderabad, Telangana</i> |
| ZPHS High School Nagepur <i>Intermediate - 90.0%</i> | 2018 - 2019 <i>Nizamabad, Telangana</i> |