BODDULA KAUSHIK

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SUMMARY

I am a third-year Information Technology student eager to tackle real-world challenges, contribute to meaningful projects, and gain valuable hands-on experience. I am excited to apply my knowledge, collaborate with others, and continue learning in a practical setting.

EDUCATION

Chaitanya Bharathi Institute of Technology | BE in Information Technology — November 2022 - Present
- GPA: 9.49/10.0

Narayana Junior College MPC | Higher Secondary Education — 2020 - 2022
- Percentage: 98.3%

PROJECTS

Bird Detection from Bird Chirping
- Developed a deep learning system to classify bird species using 9,000 WAV audio files from Xeno-Canto.
- Extracted features using Mel Spectrograms and trained a custom CNN architecture, achieving 85% testing accuracy.
- **Tools:** Python, TensorFlow, Librosa.

Hand Gesture Recognition System for Capturing Photos
- Designed a real-time system to capture photos using hand gestures detected through MediaPipe and OpenCV.
- Implemented a gesture-based countdown mechanism to automate image capturing when thumb and index finger are close.
- Achieved smooth gesture detection and optimized for low-latency performance.
- **Tools:** Python, OpenCV, MediaPipe, NumPy.

BookMyChef
- Built a scalable platform using Firebase Realtime Database and Authentication for real-time data sync and secure user management.
- Developed backend functionality with Node.js and Express.js, and React.js for an enhanced user experience.
- **Tools:** React.js, Node.js, Express.js, Firebase

TECHNICAL SKILLS

Languages: Python
Machine Learning: TensorFlow, Keras, NumPy, Pandas
Databases: MySQL
Web Development:HTML,CSS,JavaScript,React

CERTIFICATION

- Oracle Ceritified Foundations Associate **- Oracle University - Apr 2025**
- Deep Learning Certification **- CBIT Winter Upskilling - Jan 2025**
- Data Science Foundation Certificate **- Infosys Springboard - Feb 2024**

INTERESTS AND ACTIVITES

- Member of the Competitive Programming Department, CBIT Developer Student Club
- Contributing as team head in design of Chaitanya Srujana(Arts and crafts club)
- Passionate about photography, dancing, Canva design, and sports