

Kolla Harish

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EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Technology

Computer Science and Engineering (Cloud Computing & Automation)

Cumulative GPA: 8.92/10

Relevant Coursework: Cloud Computing, Operating Systems, Computer Networks, Data Structures, DBMS

Bhopal, IND
Expected May 2026

Amaravathi Junior College (Class 12)

Math, Physics, Chemistry | Percentage: 78.5%

Vijayawada, IND
Jul, 2020 – May, 2022

Oxford High School (Class 10)

Secondary School | Percentage: 97.2%

Parchur, IND
Jun, 2019 – Mar, 2020

UNIVERSITY PROJECTS

ELECTRON WEB BROWSER

Jul, 2025 - Present

- Designed and developed a fully functional custom web browser using Electron.js with a React front-end.
- Implemented features like multi-tab browsing, search suggestions, bookmarks, browsing history, and user profiles.
- Integrated local database with SQLite for storing user data such as history, bookmarks, and sessions securely.
- Developed real-time profile switching with isolated sessions and cookies per user profile.
- Added custom theming support and weather API integration for personalized browsing experiences.
- Planned cloud sync architecture to enable profile data backup and multi-device synchronization.
- Focused on session persistence to retain login states (cookies) across browser restarts for each profile.

HUMAN SCREAM DETECTION

Oct 2024- April 2025

- Developed a high-accuracy machine learning model with 95% accuracy for human scream detection, ensuring reliable performance in real-world scenarios.
- Extracted MFCCs and other audio features, and applied preprocessing and augmentation to enhance noise robustness.
- Designed and trained a CNN model tailored for audio classification, achieving a 92% F1-score in scream detection.
- Optimized model performance through hyperparameter tuning, reducing false positives by 15%.

ACTIVITIES

CERTIFICATIONS

- Full Stack Developer MERN (Smart Bridge)
- Gen AI (IBM)
- An Introduction to Artificial Intelligence (NPTEL, IIT Delhi)

EXTRACURRICULAR

- Solved 150+ problems in LeetCode & Geeksforgeeks

SKILLS

Languages: Java, Python, Java Script

Developer Tools: VS Code, Eclipse

Technologies/Frameworks: React.js, Node.js, Electron.js, HTML, CSS, Tailwind CSS, SQL, Docker, Git, AWS cloud, MATLAB.

ADDITIONAL

Hobbies: Watching Documentaries, Story-telling, Cricket