

Kolla Harish

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EDUCATION

VIT BHOPAL UNIVERSITY

Bachelor of Engineering
Computer Science and Engineering (Cloud Computing & Automation)

Cumulative GPA: 8.90/10

Relevant Coursework: Data Analysis, Software Engineering, Operating Systems, Algorithms, Data Structures, ML, CN, DBMS

Bhopal, IND

Expected May 2026

Amaravathi Junior College (Class 12)

Math, Physics, Chemistry | Percentage: 78.5%

Vijayawada, IND

Jul, 2020 – Mar, 2022

Oxford High School (Class 10)

Secondary School | Percentage: 98.3%

Parchur, IND

Jun, 2019 – Mar, 2020

UNIVERSITY PROJECTS

HUMAN SCREAM DETECTION

Oct, 2024- Present

- Developed a high-accuracy machine learning model with 95% accuracy for human scream detection using a custom dataset containing over 10,000 audio samples, ensuring reliable classification for real-world applications.
- preprocessed, cleaned, and augmented audio data to enhance noise robustness, which resulted in a 20% improvement in model performance and increased its effectiveness in diverse environments.
- Designed and implemented **CNN and RNN models**, achieving a **92% F1-score** for scream classification.
- Optimized model through **hyperparameter tuning**, reducing false positives by **15%**.
- Integrated** real-time detection for security applications, **achieving** a processing speed of <50ms per clip.

Health Care Connect

Oct, 2024 - Dec 2024

- Built an online doctor appointment booking system, enabling patients to schedule, modify, or cancel appointments seamlessly, reducing manual scheduling efforts by **60%** and improving appointment efficiency by **40%**.
- Designed an admin portal for managing doctors, allowing easy addition, removal, and profile updates.
- Implemented a secure and user-friendly interface, improving patient engagement and appointment efficiency by 85%.
- Integrated real-time notifications and reminders, reducing no-show rates by 30%.
- Optimized backend performance, ensuring smooth scheduling and reducing response time by 40%.

ACTIVITIES

EXPERIENTIAL LEARNING PROGRAM – VIT Bhopal University

Sep 2024 – Oct 2024

- Gained practical experience in Industry 4.0 and EV technologies at TVS.
- Generated IoT solutions with Raspberry Pi PICO using MicroPython.
- Worked on machine learning and AI for predictive maintenance.
- Applied digital twin technology for smart manufacturing.

CERTIFICATIONS

- Industrial IOT Markets and Security (Coursera)
- An Introduction to Artificial Intelligence (NPTEL, Delhi)
- VITYarthi (Python)

EXTRACURRICULAR

- Solved 100+ problems in LeetCode & Geeksforgeeks

ADDITIONAL

Technical Skills: Python, SQL, C++, JAVA, DSA, Operating Systems, Computer Networks, Pandas, Numpy, Matplotlib, Seaborn, Power BI, Plotly, Scipy, Sckitlearn, TensorFlow, Keras, Git, AWS cloud, MATLAB,

Languages: English, Hindi, Telugu

Web Development: Html, Css, JavaScript, MongoDB, Express.js, React.js, Node.js

Hobbies: Watching Documentaries, Story-telling, Cricket