

P Srinivasa Praneeth

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Education

VIT BHOPAL UNIVERSITY

Bachelor of Engineering

Computer Science and Engineering

Cumulative GPA: 8.57/10

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

Bhopal, IND

Expected May 2026

SHREE VASISHTA JR COLLEGE (Class 12)

Higher Secondary School | Percentage: 94.6

Nellore, IND

Jul, 2020 – Mar, 2022

NARAYANA HIGH SCHOOL (Class 10)

Secondary School | Percentage: 99

Nellore, IND

Jun, 2019 – Mar, 2020

UNIVERSITY PROJECTS

HUMAN SCREAM DETECTION

Oct 2024 - Present

- Developed an ML system for detecting human screams with 95% accuracy using a custom audio dataset of 10,000+ samples.
- Preprocessed and augmented audio data to handle background noise, improving model robustness by 20%.
- Implemented CNN and RNN models, achieving a 92% F1-score in scream detection.
- Optimized model performance through hyperparameter tuning, reducing false positives by 15%.
- Integrated real-time detection for security applications with a processing speed of <50ms per audio clip.

TEACH IT

Aug, 2023 – Dec, 2023

- Developed an online teaching platform allowing teachers to upload educational videos and students to view organized playlists for self-paced learning.
- Facilitated the upload and organization of over 500 educational videos across 10+ subjects.
- Designed user-friendly interface, increasing platform engagement by 40% among students.
- Integrated real-time analytics, allowing teachers to track student progress and video performance, improving learning outcomes by 25%.
- Optimized video streaming functionality, reducing buffering time by 30% and increasing video view rates by 50%.

ACTIVITIES

EXPERIENTIAL LEARNING PROGRAM – VIT Bhopal University

Sep, 2024 – Oct, 2024

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

CERTIFICATIONS

- Industrial IOT Markets and Security (Coursera)
- Cloud Computing (NPTEL, IIT Kharagpur)
- VITYarthi (Python)

ADDITIONAL

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

Languages: English, Hindi, Telugu

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

Hobbies: Watching Documentaries, Story-telling, Cricket