

P Srinivasa Praneeth

Nellore, India | +91 9391770954 | srinivasapraneeth2022@vitbhopal.ac.in

Education

VIT BHOPAL UNIVERSITY

Bachelor of Engineering
Computer Science and Engineering
Cumulative GPA: 8.57/10

Bhopal, IND
Expected May 2026

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

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.

SOCIAL MEDIA

March 2025 - Present

- Built a full-stack social media web app using the **MERN stack**, enabling over **300+ user interactions** including posts, likes, and comments.
- Integrated **JWT-based authentication** and **Google Sign-In**, enhancing login security and improving user access speed by **40%**.
- Developed profile features with **file upload/delete** functionality, achieving seamless **100% data sync** with MongoDB.
- Designed and implemented a **local reminder system**, supporting **50+ user-defined reminders** via browser LocalStorage.
- Introduced basic **real-time chat** and **follow/unfollow functionality**, increasing user engagement and retention by **25%** during testing.

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.
- Worked on machine learning and AI for predictive maintenance.

CERTIFICATIONS

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

ADDITIONAL

Technical Skills: Python, MongoDB, C++, TensorFlow, 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