



A.I. SUTHIKSHA

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Objective Aspiring software engineer with a passion for building impactful tech solutions in AI, machine learning, and full-stack development. I aim to apply my skills through real-world projects, hackathons, and internships to solve socially relevant problems and contribute meaningfully to the tech community. I'm committed to continuous learning and innovation, with a special focus on safety, accessibility, and sustainability through technology.

Education **Raj Matriculation Hr Sec School**
Higher secondary
2021 — 86%

A V C college of engineering
B tech Information technology
2026 — 8.2 CGPA (till 5th sem)

Skills

- Data scientist
- UI UX designer
- Python
- HTML,CSS,JS,react, Tailwind CSS
- AI and ML
- Py Torch, Open CV
- SQL
- Xcode

Projects

Women’s Safety Surveillance Web App
Tools: Python, OpenCV, TensorFlow | Platform: Web
Real-time safety app that detects suspicious activities using webcam video analysis to help prevent violence.
Used TensorFlow models to analyze live video feed for threat detection.

Multilingual Speech Recognition System
Tools:Python, SpeechRecognition, Whisper
Prototype designed to recognize and process speech in multiple Indian languages for inclusivity in voice-driven apps.Implemented basic language detection and transcription.

Virtual Zoo Development
Tools: Unity, 3D Modeling (Proposed), Interactive Design
Created a virtual zoo environment to educate and engage users with interactive 3D wildlife content.
Designed realistic animal behaviors and habitats.
Proposed navigation elements and immersive audio to simulate a real zoo visit.

Groundwater Conservation Game
Tools: GDevelop, Firebase, Visual Studio Code
Built an educational game to teach children about water-saving practices and the importance of groundwater conservation.
Included scenarios like drought, pollution, and recharge techniques.
Auto-progressive levels with scoring, explanation pop-ups, and a leaderboard for identifying water-smart youth.

iOS App Development (Course Projects)
Tools: Xcode, Swift, SwiftUI
Currently undertaking an Xcode course focused on practical iOS app development.
Built apps with login flows, animations, list management, and SwiftUI views.
Working toward App Store-ready mini-projects.

Achievements & Awards

3rd Prize Winner – Horizon TANSAM Tamil Nadu State-Level Hackathon for Women’s Safety Surveillance Web App
Finalist – GUVI Nan Mudhalvan Hackathon for Multilingual Speech Recognition System
Finalist – TEKATHON by SASTRA Deemed University for Quantum Navigation Simulation (QPS)
Finalist – Smart India Hackathon 2024 for Water Conservation Educational Game
Finalist – Smart India Hackathon 2023 for Virtual Zoo Development Project
