

# Tharunya Sri Shamanthula

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## EDUCATION

<b>VIT Bhopal University</b> , Bhopal, India	2022 – Present
B.Tech in Computer Science and Engineering (AI & ML), CGPA: 8.97	
<b>Narayana Junior College</b> , Hyderabad, India	May 2022
12th Standard, 97.8%	
<b>GreenWood High School</b> , Warangal, India	June 2020
10th Standard, 93.2%	

## TECHNICAL SKILLS

**Languages:** Python, C++, MySQL, HTML, CSS, JavaScript  
**Tools & Libraries:** TensorFlow, OpenCV, Pandas, Streamlit, Figma

## PROJECTS

<b>Multiple Disease Prediction System</b>	Jan – Mar 2023
<ul style="list-style-type: none"><li>Developed a machine learning web application to predict heart, kidney, and diabetes risks using real-time analysis of user-provided medical inputs through an intuitive and accessible interface.</li><li>Implemented the Random Forest algorithm for effective classification, while applying advanced feature selection methods to enhance predictive accuracy and minimize redundant input variables.</li><li>Integrated the trained model into a responsive and user-friendly Streamlit interface, allowing non-technical users to easily input data and instantly receive disease risk assessments.</li><li><i>Tech Stack: Python, Random Forest, Streamlit, Feature Engineering</i></li></ul>	
<b>News Aggregator Web Application</b>	Aug – Sept 2024
<ul style="list-style-type: none"><li>Created a dynamic web platform that aggregates real-time news articles from various sources, filtered based on user-selected categories, search keywords, and live content updates.</li><li>Developed a responsive front-end using React.js and built a scalable back-end with Node.js, enabling smooth, asynchronous data flow between client-side interactions and API-based content delivery.</li><li>Integrated RESTful APIs to dynamically fetch and present real-time news content from external sources, enhancing user experience through fast updates, minimal latency, and interactive content rendering.</li><li><i>Tech Stack: React.js, Node.js, Express.js, HTML, CSS, RESTful APIs</i></li></ul>	
<b>Youtube Video Summarizer</b>	Oct – Nov 2024
<ul style="list-style-type: none"><li>Developed a web app to generate concise summaries of YouTube videos using NLP techniques.</li><li>Extracted and processed video transcripts to identify key information and main topics.</li><li>Streamlined content consumption for users by improving accessibility and reducing viewing time.</li><li><i>Tech Stack: Python, spaCy, NLTK, Streamlit</i></li></ul>	

## EXTRACURRICULAR ACTIVITIES

- Selected for the Smart India Hackathon (SIH) internal rounds. Worked on a cost comparison tool for Government e-Marketplace (GeM) using data scraping, APIs, and analytics to improve procurement efficiency.
- Served as a Student Coordinator for the Technomech Club; facilitated and managed events such as UI/UX competitions, and collaborated with peers to enhance technical engagement on campus.

## LANGUAGES

**English:** Proficient   **Telugu:** Native/Bilingual   **Hindi:** Proficient