

# Tharunya Sri Shamanthula

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## EDUCATION

**VIT Bhopal University**, Bhopal, India

2022 – Present

B.Tech in Computer Science and Engineering (AI & ML), CGPA: 8.97

**Narayana Junior College**, Hyderabad, India

May 2022

12th Standard, 97.8%

**GreenWood High School**, Warangal, India

June 2020

10th Standard, 93.2%

## TECHNICAL SKILLS

**Languages:** Python, C++, MySQL, HTML, CSS, JavaScript

**Tools & Libraries:** TensorFlow, OpenCV, Pandas, React.js, Streamlit, Figma

## PROJECTS

### Multiple Disease Prediction System

Jan – Mar 2023

- 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.
- Implemented the Random Forest algorithm for effective classification, while applying advanced feature selection methods to enhance predictive accuracy and minimize redundant input variables.
- 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.
- *Tech Stack: Python, Random Forest, Streamlit, Feature Engineering*

### News Aggregator Web Application

Aug – Sept 2024

- 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.
- 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.
- 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.
- *Tech Stack: React.js, Node.js, Express.js, HTML, CSS, RESTful APIs*

### Youtube Video Summarizer

Oct – Nov 2024

- Developed a web app to generate concise summaries of YouTube videos using NLP techniques.
- Extracted and processed video transcripts to identify key information and main topics.
- Streamlined content consumption for users by improving accessibility and reducing viewing time.
- *Tech Stack: Python, spaCy, NLTK, Streamlit*

## 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.
- Led Technomech Club events, including UI/UX competitions, to drive student engagement. Collaborated with peers to enhance the club's brand and visibility on campus and promote initiatives that fostered a more connected student community.

## LANGUAGES

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