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: 8.94

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, 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.
- 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