RISHABH MALAV

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OBJECTIVE

Aspiring pre-final year computer science student passionate about software engineering, seeking to leverage strong programming skills and innovative problem-solving abilities in real-world applications.

EDUCATION

Bachelor of Technology, International Institute of Information Technology Naya Raipur — Expected 2026
CGPA : 7.87

High School, Central Academy Shikshantar School, Kota — 2009 - 2022
Grade : 91.6

SKILLS

Technical Skills	C, C++, HTML5, CSS, Javascipt, NodeJS, ExpressJS, Git, Github, MySQL, Oracle DBMS, Arduino, MATLAB
Soft Skills	Communication Skills, Problem Solving, Team Oriented, Decision Making

PROJECTS

Lingo : Text and Audio Language Translator.
Tech Stack : Python, gtts library, streamlit, HTML, Javascript, CSS

- Developed a real-time language translation web app using Streamlit, integrating Google GTTS for text-to-speech and Whisper API for accurate text translation.
- Implemented multi-language support, automatic language detection, and user-friendly features like audio playback and translation history
- Optimized performance with caching and robust error handling to enhance user experience.
- Utilized Python, Streamlit, googletrans, and gTTS for development, deploying the app on a cloud platform for scalability.

NLP Based Twitter Sentiment Analysis.
Tech Stack : Python, gtts library, streamlit, HTML, Javascript, CSS

- Developed a model to classify tweet sentiments (positive, negative, neutral).
- Preprocessed text (tokenization, stop word removal, stemming, lemmatization).
- Optimized model performance with hyperparameter tuning
- Assessed performance using accuracy, precision, recall, and F1-score.
- Visualized sentiment distribution with Matplotlib and Seaborn. (github)

IOT based Smart Health Monitoring System.
Requirements : Arduino UNO, Arduino IDE, pulse oximeter sensor, temperature sensor, Thingspeak (cloud storage)

- Developed a wireless wristband for pulse, temperature, and spO2 detection.
- Realtime sensing of health sensors and displaying it on the LCD display.
- Uses Thingspeak for cloud storage for maintaining history and current records..