

THANISHKA R

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Driven and curious, I thrive on learning and tackling new challenges with enthusiasm. Committed to growth, I bring a positive mindset and a results-driven approach to every opportunity. Passionate about innovation, I aim to contribute fresh ideas and make a meaningful impact wherever I go.

Education

Coimbatore Institute of Technology, MSc in Data Science

2022 – Present

- CGPA: 8.35 (Up to 5th semester)

Bharathi Vidya Bhavan, Erode, HSC

2021 – 2022

- Percentage: 97.5

Sacred Hearts, Yercaud, SSLC

2019 – 2020

- Percentage: 91.2

Projects

AI-Powered Technical Interview Simulator

Technologies Used: Python, Streamlit, MongoDB, LangChain, Ollama, Regular Expressions

- Built an AI-powered **technical interview simulator** to automate candidate assessment using LLMs.
- Integrated **MongoDB** for storing candidate responses and **Streamlit** for an interactive UI.
- Enhanced hiring with **intelligent question generation, personalized evaluations** and structured workflows.

Summarizzzz: A Multi-Input Text Summarization System

Technologies Used: Vosk ASR, BART, WordNet, Flask, Bootstrap

- Developed a multi-modal text summarization system that extracts key insights from audio, video and images.
- Utilized **Vosk ASR** for speech-to-text transcription and **BART** for advanced extractive summarization.
- Integrated **WordNet** to enhance linguistic understanding for more coherent summaries.
- Built an interactive Flask web application with a responsive Bootstrap interface for an enhanced experience.

Event Management and Ticket Booking Platform

Technologies Used: Flask, MySQL, HTML, CSS, JavaScript

- Implemented seamless **ticket booking** functionality for events, enhancing user convenience.
- Utilized **MySQL** for efficient **database management**, ensuring robust data storage and retrieval.
- Designed a **user-friendly interface** using **HTML/CSS** and implemented backend logic with **Flask**.
- Built an interactive Flask web application with a responsive Bootstrap interface for an enhanced experience.

Skills

Python

Programming Languages

MySQL, MongoDB

Databases

Flask, Scikit-learn

Frameworks and Libraries

Power BI

Tools

Adaptability, Team Collaboration, Attention to Detail, Problem Solving,
Decision-Making, Emotional Intelligence, Leadership

Soft Skills

Area of Interest

- Machine Learning
- Natural Language Processing
- Web Technology
- DBMS
- Data Structures and Algorithms
- Large Language Models

Certifications and Extracurriculars

- Udemy: HTML, Python, and Flask Framework
- Codsoft: Virtual Internship Program in Python Programming
- Member of Women Empowerment Cell, CIT