

# 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

<b>Coimbatore Institute of Technology</b> , MSc in Data Science	2022 – Present
• CGPA: 8.35 (Up to 5th semester)	
<b>Bharathi Vidya Bhavan</b> , Erode, HSC	2021 – 2022
• Percentage: 97.5	
<b>Sacred Hearts</b> , 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            | • Web Technology | • Data Structures and Algorithms |
| • Natural Language Processing | • DBMS           | • 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