

Rithika Karuppusamy

+91 7708815572 | rithikakaruppusamy143@gmail.com | [LinkedIn/rithika-karuppusamy](https://www.linkedin.com/in/rithika-karuppusamy) | [GitHub/Rithika-16](https://github.com/Rithika-16)

EDUCATION

Kumaraguru College of Technology

B.E-Electronics and Communication Engineering

CGPA:8.29

Coimbatore, India

Nov.2022 - Present

TECHNICAL SKILLS

Programming Languages: Java,Python,Javascript,SQL,C

Libraries and Tools:Postman, Maven,Vite

Development Tools:IntelliJ IDEA, PyCharm, VS Code, Git, GitHub, Notion

Frameworks: React, SpringBoot

Databases: MySQL

Web Technologies:HTML,CSS

PROJECTS

Tic-Tac-Toe Web Application:

[Github link](#)

Tech Stack: Spring Boot, Java, React (Vite), CSS, REST API, Axios

- Built the backend using Spring Boot and Java to handle game logic, player turns, winning conditions, and board resets via RESTful APIs.
- Used React (Vite) for a fast and responsive frontend, fetching and displaying real-time game state using Axios for API communication.
- Applied CSS to create a clean, responsive UI with animations and dynamic styles like line-through effects for winning cells.

Replimate – AI-Powered Email Reply Extension

[Github link](#)

Tech Stack: React, Material UI, Spring Boot, Gmail API, Axios, Chrome Extensions, Gemini AI API

- Built a Chrome extension that uses Gemini AI to generate intelligent and context-aware email replies.
- Designed the frontend using React and Material UI for a clean, responsive UI experience.
- Developed the backend with Spring Boot, integrating the Gmail API and managing AI prompts via Axios calls.

Audio to Text AI -An AI-powered application that transcribes audio files into text with multilingual support

Tech Stack: React, Spring Boot, Speech-to-Text API, Translation API, REST API, Axios

[Github link](#)

- Built Audio to Text AI, a robust web application that transcribes audio files into text using Azure Speech-to-Text API with multi-language support.
- Developed the frontend in React for seamless audio upload, playback, language selection, and transcription display.
- Implemented backend services with Spring Boot to handle audio conversion (via FFmpeg) and interface with Azure Cognitive Services.
- Added support for WAV and MP3 formats, ensuring compatibility and accurate transcription across various file types.
- Delivered an efficient, responsive, and scalable solution for real-time speech recognition in English, Tamil, Hindi, and other languages.

CERTIFICATIONS

- What Is Data Science? - Coursera
- Python for Data Science, AI & Development - Coursera
- The Complete Python Bootcamp: Zero to Hero - Udemy
- Getting Started with Git and GitHub – Coursera
- Introduction to HTML,CSS,&JavaScript-coursera
- Java Backend Development Live -GeeksforGeeks