

Santhanalakshmi.A

santhanalakshmi3084@gmail.com | 8610683915

SUMMARY

B Tech Computer Science student with a strong foundation in software development, Data Analysis and Skilled in Java and UI/UX design, with hands-on experience in VoIP applications and Human Speech and Emotion Recognition development. Certified in database management, Excel, and soft skills. Passionate about technology, problem-solving, and continuous learning. Seeking opportunities to apply technical expertise in real-world projects.

PROJECTS

HUMAN SPEECH AND EMOTION RECOGNITION

Mar 2024 – Aug 2024

- Recognizing emotions in written text by analyzing sentiment. This is typically done through **Natural Language Processing (NLP)** algorithms.
- Implemented voice feedback to notify users of detected emotions and offer advice to help adjust emotional state (e.g., advising users to shift from negative to neutral or normal emotion).
- Tech Stack:** Python, Flask, TextBlob, VADER, HTML, CSS, Git/GitHub, Text-to-Speech (TTS) libraries.
- Github:** [Human-Speech-and-emotion-Recognition/](#)

BASIC VOIP CALL APPLICATION

Oct 2024 – Nov 2024

- A simple application where users can make **voice calls** over the internet. The project uses WebRTC (**Web Real-Time Communication**) to allow voice calling between two users without needing any additional plugins.
- Tech Stack :** JavaScript (WebRTC), Node.js, WebSockets, HTML , CSS
- Github:** [Basic-VoIP-Call-Application/](#)

ACHIEVEMENTS

CERTIFICATIONS

- Earned a certificate in **Database Management Systems** from NPTEL in September 2024, demonstrating expertise in database design and management concepts.
- Completed a 6-day **Value Added Course on UI/UX Design** at **Manakula Vinayagar Institute of Technology, Puducherry, in January 2025**. Gained hands-on experience in user interface and user experience design principles, wireframing, prototyping, and creating intuitive digital experiences.
- Tata Data Visualization Job Simulation** – Forage (December 2024) – Successfully completed a data visualization simulation, gaining hands-on experience in analyzing datasets, creating interactive dashboards, and presenting insights effectively using data storytelling techniques.
- TCS iON Career Edge – Young Professional Certification** (December 2024) – Successfully completed a soft skills training program by Tata Consultancy Services (TCS iON), enhancing communication, presentation, business etiquette, adaptability, teamwork, and leadership skills for professional growth

CODING

- Recently participated in various intercollegiate coding events, including **Blind Coding at Rejouir 2024**, organized by PTU.
- Completed **more than 700 programs** on **Skill Rack**, demonstrating strong problem-solving and coding skills.

EDUCATION

Manakula Vinayagar Institute Of Technology
B.Tech in Computer Science Engineering
Puducherry
Cum. GPA: 8.3

Amalorpavam Hr.Sec HSC -
2021
Puducherry
Percentage:89

Amalorpavam Hr.Sec SSLC -
2019
Puducherry
Percentage:86

SKILLS

PROGRAMMING

Advanced :
Python • Java
Intermediate :
Html • Css
• Javascript

TOOLS AND TECHNOLOGY

UI/UX design • Power BI • Excel

AREA OF INTEREST

Passionate about **Database Management Systems (DBMS)**, with a solid foundation in relational databases, SQL, and data optimization. Completed the **NPTEL Certificate in Database Management Systems** (September 2024) and developed an **Electricity Billing System** using PHP and MySQL, applying DBMS concepts to automate billing processes, manage user data, and ensure data integrity.

COURSEWORK

Data Structure and Algorithms
Database Management System
Object Oriented programming
Operating Systems

TECH PROFILE LINKS

Github:// [Santa-12](#)
LinkedIn://
[santhanalakshmi-a-03303b2b3](#)