SANDHIYA G

COMPUTER SCIENCE AND ENGINEERING

I am looking to kick-start my career in an organization that provides opportunities for growth and helps me realize my full potential. I am eager to explore new challenges and contribute to the organization's success, while learning from experienced professionals and applying my skills to make a meaningful impact.

Contact

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Education

- B.E Computer Science and Engineering - Bannari Amman Intitute of Technology (2022 - 2026)
  CGPA - 8.17 (up to 4th Semester)
- 12TH - Bannari Amman Public School (2021- 2022) - 79.6%
- 10TH - Bannari Amman Public School (2019- 2020) - 93.8%

Technical Skills

- JAVA
- PYTHON
- C, C++
- Machine Learning
- Web Development (HTML, CSS, JS)
- React JS
- DBMS
- UI/UX

Tools Known

- Git/Github
- Figma
- VS code

PROJECTS

July 2024 - December 2024

AGRI MASTER - An AI based Agri Chatbot

Team Size - 4

Role - Machine Learning Engineer

Project Description

Developed an AI-driven agricultural chat bot that provides real-time insights and personalized guidance to farmers on cultivation and treatments. Integrated IoT sensor data to enhance decision-making, give alerts.

Tech Stack - React JS, Python, Flask, TensorFlow

June 2024 - Present

BIT LinkedIn Portal

Role - Java Developer

Project Description

Developed a full-stack career development platform using Spring Boot (Java), React, and MySQL. Features include secure login with BIT mail IDs, real-time messaging, job/internship search, BIT placement drive updates, and a resume builder for students.

Tech Stack - React JS, Java, Spring Boot, MySQL

August 2024 - November 2024

Music Source Separation

Team Size - 2

Role - Machine Learning Engineer

Project Description

Developed a music source separation system using deep learning models like Wave-U-Net, DeepConvSep, and Demucs to extract individual audio components (vocals, instruments) from mixed tracks. The project enhances music production and audio restoration with advanced signal processing and machine learning techniques.

Tech Stack - Librosa, Wav-U-Net

December 2023 - January 2024

Employee database managing website using React js

Team Size - 2

Role - Frontend developer

Project Description

Developed a web-based Employee Database Management System using React for efficient CRUD operations on employee records. The system allows HR, team leads, and admins to manage and update employee data seamlessly.

Tech Stack - React JS, Node JS, Express JS, MongoDB

Areas of Interest

- Deep Learning
- Generative AI
- NLP
- Fullstack

Soft Skills

- Time management
- Teamwork
- Adaptability
- Communication

Languages

English (R, W, S)

Tamil (R, W, S)

Hindi (R, W)

Hobbies

Drawing

Listening Music

Reading Books

Certifications

1. Google Cloud Career Launchpad Cloud Engineer track - Google Cloud
2. Supervised Machine Learning: Regression and Classification - Coursera
3. Generative AI - GUVI
4. Machine Learning with Support Vector Machines - 365DataScience
5. Statistics and Hypothesis Testing for Data science - Udemy

Co- Curricular

1. Secured Top 100 in Hack4Purpose (Autonomous Marine Plastic Debris Detection).
2. Participated in Prasunethan Hackathon (Agri Chat Bot)
3. Participated in Myntra WeForShe'24 (Fashion AI)
4. Participated in International conference on Modernized Computing and Communication Technologies MCCT-2023 (Symptom-based Hospital and Doctor recommendation system for accident victims).
5. Participated in 5th International Conference on Emerging Trends and Technologies - ICETET 2023 (AI in Healthcare)
6. Participated in Visai 2023 13th International Project competition and Exhibition (AI Powered Chat Bot).

Declaration

I SANDHIYA G hereby declare that the above mentioned particulars are true to the best of my knowledge.

Place: Sathyamangalam
Date: 23.01.2025