

Antony Sun P P

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TECHNICAL SKILLS

- **Technologies:** Java, React, MySQL, SpringBoot, Express, MongoDB, HTML, CSS, PHP
- **Coursework:** Object Oriented Programming, Web Development, Database Management System (DBMS)
- **Developer Tools:** IntelliJ Idea, Github, VS Code, Linux, Postman

PROJECTS

Human Activity Recognition (HAR) Using Deep Learning

TensorFlow, OpenCV, Flask, Streamlit, Google Collab

- Developed a deep learning-based model to classify human activities from surveillance footage.
- Implemented a CNN-LSTM architecture for extracting spatial and temporal features.
- Processed real-time video feeds using OpenCV and deployed on a Flask API.
- Built a Streamlit-based GUI for video uploads and live activity monitoring.
- Evaluated model performance using Precision, Recall, and F1-Score.
- Deployed the system for real-time surveillance applications with instant alerts.

College Arts Festival Management Website

React, Node.js, Express, MongoDB, Postman, Render

- Developed a full-stack web app for managing festival events and registrations.
- Implemented user authentication and an admin panel for updating event winners.
- Designed a leaderboard system to showcase top-performing classes.
- Deployed the application on Render with a production-ready build.

Audio Transcriber

Spring Boot, Spring AI, React, OpenAI API

- Developed a RESTful API using Spring Boot to process and transcribe audio files.
- Integrated Spring AI with OpenAI for speech-to-text conversion.
- Built a React.js frontend for users to upload audio and receive transcriptions.

Train Ticket Booking System (Backend)

Java, Spring Boot, MongoDB, RESTful API, Maven

- Developed a backend system for train ticket booking, handling user registrations, train schedules, and ticket reservations using MongoDB as the database.
- Implemented RESTful APIs for efficient CRUD operations and ensured seamless data persistence.

CERTIFICATIONS / COURSES

- Java Massive Open Online Course (MOOC), University of Helsinki
- Full Stack Open, University of Helsinki
- CS50x, edX

EDUCATION

SNM Institute of Management and Technology

Bachelor of Technology in Computer Science Engineering

CGPA: 7.8