Mugunthan Saravanan

Machine learning and Android app development enthusiast with a strong academic background and hands-on experience. Proven ability to learn new technologies quickly and apply them to solve real-world problems.Proficient in Python and working knowledge of Java, C, and C++

Contact

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Rasipuram,Namakkal
Tamil Nadu

Education

2025
B.tech Information Technology
Sona College of Technology

2021
HSC
Sri BVM Matriculation Higher Secondary School , Rasipuram

Skills

- Java
- Python
- Machine Learning
- Android App Development
- C and C++
- Full Stack Development

Language

English

Japanese (N4)

Tamil

Professional Experience

Jun 2024 - Jul 2024
Eagle Tech IT solutions | Chennai , India
Junior Software Trainee

- Front-End: HTML, CSS, JavaScript (React, Angular).
- Back-End: Python (Flask)
- Database: Firebase , MongoDB

Dec 2022 - Dec 2023
Internshala l India
Internshala Student Partner

With the help of Internshala, I have enhanced my skills and abilities in marketing

July 2022 - Sept 2022
Knowledge Solutions India
Machine Learning Internship

Skills: Natural Language Processing (NLP) · Matplotlib · Seaborn · NumPy · Big Data · Pandas (Software) · Deep Learning · Data Science · Machine Learning · Python

Projects and Links

Sales Forecasting

- Developed a Flask backend that powered accurate sales forecasting, enabling clients to make data-driven decisions and optimize their business strategiesIntegrated Firebase for storing and retrieving sales data, which improved data persistence and access efficiency.
- Created visualization graphs using Angular components, yielding interactive and insightful sales trend analysis.
- Optimized data prediction response times, resulting in a 20% reduction in latency and a more responsive user experience.

Animal Monitor

- Integrated a pre-trained YOLOv10 deep learning model for accurate wild animal and person classification within the application.
- Leveraged the device camera to capture live video frames and perform real-time object detection.
- Implemented a user interface to display the live video feed along with detection confidence scores.

AI chrome extension for automated meeting summary

- Real-time Transcription: Utilizes Rev.ai API for precise speech-to-text conversion.
- AI-driven Summarization: Gensim for generating concise and intelligent summaries.
- User-Friendly Interface: Offers an intuitive Chrome extension for seamless user interaction.
- Technology Stack: Backend: Python (Flask), Frontend: JavaScript (React), Database: SQL.

Personal Finance Tracker

- Core Functionality: Developed an android application for comprehensive tracking of income, expenses, and savings.