SIVABAKKIYAN I

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EDUCATION

SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY   Sep 2023-Apr 2027

B.TECH- ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING|CGPA-8.43/10

S R M V SWAMI SHIVANANDA HR SEC SCHOOL   Jun 2021-Mar 2023

HSC-83%

PROJECTS

GUNSHOT DETECTION |Python, RNN, MFCC, Audio Processing   Dec 2024

- Developed a real-time gunshot detection system using deep learning, leveraging Recurrent Neural Networks (RNN) and MFCC audio feature extraction for high accuracy in classifying gunshot sounds
- Achieved 91% accuracy in differentiating gunshot and non-gunshot sounds, including robust performance in live, noisy environments

AI BASED HANDWRITING NOTES GENERATOR| Python, OpenCV,PIL   Apr 2025

- Built an AI-powered tool converting typed or spoken text into realistic handwritten notes, offering customizable fonts, colors and paper styles
- Implemented deep learning and image processing techniques to generate images and PDFs that mimic human handwriting

CONSOLE BASED DICTIONARY | Python, File Handling/SQL   Jun 2025

- Developed a command-line dictionary application with features like word search, addition, deletion, and update, supporting user authentication for personalized experience
- Implemented a leaderboard to track and display top users, enhancing user engagement and learning motivation

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, NoSQL, HTML, CSS
Tools and Platforms: VS Code, PyCharm, Git, GitHub, Linux, Docker
Libraries and Frameworks: TensorFlow, PyTorch, Keras, scikit-learn, OpenCV, NLTK, Pandas
AI/ML Concepts: Deep Learning, Natural Language Processing (NLP), Computer Vision (CV)

ACHIEVEMENTS AND WORKSHOP

Secured 1st place in the Prompt Engineering Competition, NGP College,2024
Worksop on Prompt Engineering at SIET,2024

CERTIFICATIONS

Cloud Computing -NPTEL
Introduction to Large Language Models-NPTEL