



ML ENGINEER

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PROFESSIONAL SUMMARY

Computer Engineering student with strong machine learning/AI passion. Proficient in Python, C++, Java. Seeking internship to bridge Academic knowledge and industry experience

SKILLS:

- Programming languages: Python, C, C++
- Machine learning frameworks: TensorFlow, PyTorch
- Other Skills: Data Structures and Algorithms (DSA), logical thinking, problem-solving, Mysql(queries)

EDUCATION:

2022 - 2026 | SRM Institute of Science and Technology | CGPA: 9.00

Bachelor of Technology in Computer Engineering

2021 - 2022 | Alwin International Public School | Percentage: 96%

12th Grade (CBSE Board)

PROJECTS:

Image Captioning in facial emotion

- Developed an Emotion-Based Image Captioning system capable of generating emotionally relevant captions for images by integrating CNN and LSTM models, achieving a BLEU score of 78.5%.
- Implemented multi-modal feature fusion to combine visual and emotional context, enhancing caption accuracy and emotional relevance by 35% compared to baseline models.
- Technologies: TensorFlow, Keras, NLTK, NumPy

GST Filing Tracker System

- Developed a full-stack GST Filing Management System enabling CRUD operations with a streamlined user interface reducing data processing time by 30%
- Implemented database interaction with secure login authentication and robust error handling, ensuring 100% accuracy and reliability in data management workflows.
- Technologies: Python, MySQL, Tkinter

Electricity Load Prediction Using Weather and Temporal Data

- Built a machine learning model achieving 98.37% accuracy for electricity demand prediction using weather and temporal features.
- Applied advanced feature engineering and XGBoost to enhance model performance and generalization.
- Technologies: Python, XGBoost, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn.

Chatbot using Intents

- Built a chatbot that divides user sentences into words, predicts the intent, and replies accordingly.
- Technologies: TensorFlow, Python

Voice Assistant using ChatGPT API

- Created an AI voice assistant like Alexa with ChatGPT for contextual responses and emotion recognition. It supports natural language interaction, real-time queries, and task automation like opening websites or playing music
- Technologies: Python, OpenAI API, SpeechRecognition, pyttsx3, MySQL, and Flask

CERTIFICATIONS:

AWS Machine Learning | AWS

DBMS | Scaler

IoT | CISCO

offensive Security | CISCO

LANGUAGES:

Hindi | Native

Tamil | Advanced

English | Advanced