SRINIDHI KANNAN

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OBJECTIVE

Enthusiastic B.Tech student specializing in Artificial Intelligence with a solid foundation in computer science. Skilled in addressing complex problems and delivering effective solutions. Passionate about continuous learning and eager to contribute to dynamic teams for impactful results.

EDUCATION

Amrita Vishwa Vidyapeetham, CSE-AIE — 2021 - 2025
8.93 — B.Tech

Sindhi High School, — 2020 - 2021
92.2% — 12th

Sindhi High School, — 2018 - 2019
93% — 10th

SKILLS

Technical Skills	Python, Java, HTML, CSS, SQLite, MongoDB, AI/ML, Big Data, Deep Learning, NLP, Power BI, Prompt Engineering
Soft Skills	Adaptability, Team Player, Organized

PROJECTS

Homomorphic Encryption Compiler for MBP Prediction

- Developed a secure Homomorphic Encryption framework with Paillier cryptosystem for encrypted mean blood pressure (MBP) calculations for 50 patients, ensuring 100% data confidentiality and compliance with privacy regulations.

Emotion Categorization for Text Data using ML and Ensemble Techniques

- Developed an emotion recognition model using NLP and machine learning classifiers, achieving 90% accuracy and F-measure with an SVM and XGBoost ensemble, enhancing emotion detection on the WASSA dataset.

PUBLICATIONS

Speaker Identification Using CNN-LSTM Model on RAVDESS Dataset: A Deep Learning Approach
IEEE, 2024

- Developed a speaker identification model using CNN and LSTM, achieving 96.52% accuracy and 97% F1 score, outperforming GMM and SVM models on the RAVDESS dataset, significantly improving speaker recognition efficiency by capturing both spatial and temporal features in audio data.
  Paper Link

Detecting Plant Disease at Scale: A Distributed CNN Approach with PySpark and Hadoop
Elsevier, 2024

- Developed a CNN-based model with a Tkinter GUI that achieved 95.76% accuracy in diagnosing plant diseases, thereby optimizing crop health and yield.
  Paper Link

EXTRA-CURRICULAR ACTIVITIES

President of Devavani, The Sanskrit Club (2022-2023)

President of ACROM-IEEE RAS (2023-2024)

CERTIFICATIONS

- Prompt Engineering
  Edorer
- Generative AI Fundamentals
  Databricks
- Google Cloud Fundamentals: Core Infrastructure
  Google
- Introduction to Large Language Models
  Google