

Kavyanjali Viji

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EDUCATION

Vellore Institute of Technology

Integrated MTech in Computer Science and Engineering – Data Science

Cumulative GPA: 8.48/10

Bhopal, Madhya Pradesh

Expected May 2026

St. Montfort School

12th CBSE Board: 84.40%

10th CBSE Board: 83.8%

Bhopal, Madhya Pradesh

2020 - 2021

2017 - 2018

SKILL SUMMARY

Languages: Python, SQL, R

Tools: PowerBI, Tableau, MS Excel, MS Word

EXPERIENCE

AI Intern Tech Mahindra

Sep 2024 - Nov 2024

- Engineered an AI chatbot using RAG with Mistral-7B (LLM), integrated Sentence Transformer for enhanced semantic similarity, and preprocessed SQL content into NumPy embeddings for efficient retrieval, ensuring accurate and context-aware responses.
- Developed and optimized an interactive Streamlit-based UI for SQL query answering and evaluation, improving user engagement by adding RBAC, achieved response accuracy by achieving high BLEU score of 87.4% & Rouge score of 91.2% for precise SQL guidance and assessment.

PROJECTS

Research Paper Publishability Classifier

Jan 2025 - Feb 2025

- Built an SVM-based machine learning model to classify research papers as Publishable or Non-Publishable, using structural and textual features like section patterns, coherence, and vocabulary richness.
- Developed a complete classification pipeline in Python using scikit-learn, NLTK, and pandas, trained on 165 annotated papers to help researchers assess manuscript readiness with up to 99% accuracy.

SUCHNA A Missing People Finder

Dec 2024 - Jan 2025

- Developed and deployed a Streamlit-based web platform enabling users to report and track missing individuals, with seamless data management using Python and SQLite.
- Built an interactive and scalable UI for real-time updates, fast retrieval, and efficient case resolution, enhancing user experience and accessibility.

Handwritten Digit Recognition System

Aug 2024 - Sep 2024

- Engineered and deployed a CNN-based digit recognition model using Keras and TensorFlow, achieving 98.7% accuracy on the MNIST dataset through optimized architecture and training.
- Built a Tkinter-based desktop UI allowing users to draw digits for real-time recognition, with backend support for image preprocessing, normalization, and live inference.

CO-CURRICULARS

- Participated and cleared 1st round of IIT Kharagpur Data Science Hackathon & Nokia Accelerate her In Tech Hackathon.
- Core Member of Data Science Club
- 200+ problems on GeeksForGeeks

ADDITIONAL

- Hobbies: Traveling, Swimming, Photography