Kavyanjali Viji

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EDUCATION

VIT Bhopal University   Bhopal, Madhya Pradesh
Integrated MTech   Expected May 2026
Computer Science and Engineering with Specialization in Computational and Data science
Cumulative GPA: 8.48/10

12th Standard
St. Montfort School   Bhopal, Madhya Pradesh
CBSE – 84.40% May 2021

10th Standard
St. Montfort School   Bhopal, Madhya Pradesh
CBSE - 83.80% May 2019

SKILL SUMMARY

Area of Interest: Data Analysis, Data Visualization, Artificial Intelligence, Machine Learning
Languages: Python, SQL, R, Java
Tools: PowerBI, Tableau, MS Excel, MS Word
Certifications: IBM Machine Learning with Python, Accenture: Data Analytics and Visualization, Power BI Master Class

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.

Data Science & Machine Learning Intern YBI Foundation   July 2024 - Aug 2024
- Engineered and Deployed a CNN-based handwritten digit recognition system using Keras and TensorFlow, optimized model architecture to achieve 98.7% accuracy on the MNIST dataset for real-time classification.
- Designed and integrated an interactive Tkinter UI, enabling users to draw digits for live recognition, with automated image preprocessing, normalization, and inference using a trained CNN model.

PROJECTS

SUCHNA A Missing People Finder   Dec 2024 - Jan 2025
- Developed, designed and deployed SUCHNA, a web platform which allows users to report missing individuals and access information about those who found. It leverages Python and SQLite as database to facilitate seamless reporting, retrieval, and management of missing individuals' data.
- Optimized a Streamlit based interactive UI, ensuring fast, user-friendly searches, real time updates and scalable performance for efficient case tracking and resolution.

Research Paper Publishability Classifier   Jan 2025 - Feb 2025
- Implemented an SVM Based machine learning model to classify research paper as Publishable or Non-Publishable, leveraging key textual and structural features for accurate classification.
- Developed and tested classification pipeline trained on 15 benchmark research papers and evaluated on 150 papers, demonstrating 99% accuracy in assessing Publishability.

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

- Languages: Fluent in English, Hindi, Malayalam
- Hobbies: Traveling, Swimming, Photography