Kannan Hora

kannanhora@gmail.com — +91 8383003481 — Gurgaon, India
linkedin.com/in/kannan-hora — github.com/kannanhora

Summary

Final-year B.Tech IT student with a good foundation in Data Structures and Algorithms using Java, and a strong interest in AI and Web Development. I enjoy solving complex problems and exploring emerging technologies. Passionate about continuous learning and innovation, and now transitioning into Data Science with growing knowledge of machine learning theory, data analysis fundamentals, and hands-on practice with Python and essential DS libraries.

Skills

Programming Languages: C, C++, Java, Python, JavaScript
Web Technologies: HTML5, CSS, Bootstrap
Data Management: MongoDB, MySQL
Soft Skills: Problem Solving, Creative Thinking, Communication Skills, Adaptable
Machine Learning Tools & Libraries: NumPy, pandas, scikit-learn, PyTorch, TensorFlow
ML Concepts: Regression, Classification, Clustering, Feature Engineering, Model Evaluation

Education

Vellore Institute of Technology, Vellore 09/2022 – Present
Bachelor of Technology in Information Technology

Delhi Public School, Vasant Kunj, New Delhi 2020 – 2022
Scored: 89.8% in Class 12th CBSE Board

Manav Rachna International School, Gurugram, Sector-46 2016 – 2020
Scored: 91.2% in Class 10th CBSE Board

Work Experience

Intern, Tech Mahindra, Noida 06/2024 – 06/2024

- Conducted testing on Call Quality Management Solution and created Standard Operating Procedures to reduce manual test time; contributed to a ˜25–30% faster test cycle for regression runs.
- Developed Standard Operating Procedures to streamline processes and ensure consistency.
- Diagnosed and resolved software issues, decreasing recurring incidents by ˜15% in the tested module.
- Worked on MS SQL platforms and assisted in data validation tasks for call-quality metrics (querying and cleaning datasets of thousands of rows).
- Contributed to Call Quality Management Solution project, gaining practical insights into quality management in a telecom/call center environment.

Personal Projects

Abstract Comparison Tool (Streamlit Web App) (Link)

- Engineered a Streamlit-based web application using NLP and Semantic Search to quantify similarity between two research abstracts.
- Implemented a dual-stage comparison using Sentence Transformers for embeddings and Keyword Extraction (spaCy/WordNet) across 9 categories.
- Built a data pipeline supporting multi-format inputs (PDF, DOCX), significantly improving research review efficiency and showcasing full-stack ML/data tools.

Text Summarization, Keyword Identification, and Title Generation App (NLP/ML) (Link)

- Designed and implemented an NLP application with Streamlit to generate summaries from multi-format documents (PDF, DOCX).
- Engineered benchmarking for transformer models (Facebook BART, Google FLAN-T5) using metrics: ROUGE, TF-IDF Cosine Similarity, and BERT Semantic Similarity.
- Integrated specialized NLP pipelines, including KeyBERT for keyword extraction and FLAN-T5 for zero-shot title generation, demonstrating proficiency in Hugging Face models.