Kannan Hora

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# 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.

# 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

# 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 Standard Boards

## Manav Rachna International School, Gurugram, Sector-46 2016 – 2020

Scored: 91.2% in Class 10th CBSE Standard Boards

# Work Experience

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

* Conducted testing on Call Quality Management Solution to identify issues before release.
* Developed Standard Operating Procedures to streamline processes and ensure consistency.
* Diagnosed and resolved software issues, enhancing overall solution quality.
* Worked on .NET Core and MS SQL platforms, contributing to technical aspects of the project.
* 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)](https://github.com/kannanhora/parameter-based-abstract-comparison/tree/main/parameter_based_abstract_comparison)

* 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)](https://github.com/kannanhora/Text-Summarisation-AI/tree/main/Text-Summarisation-AI)

* 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.