

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 Bachelor of Technology in Information Technology	09/2022 – Present
Delhi Public School, Vasant Kunj, New Delhi Scored: 89.8% in Class 12 th CBSE Standard Boards	2020 – 2022
Manav Rachna International School, Gurugram, Sector-46 Scored: 91.2% in Class 10 th CBSE Standard Boards	2016 – 2020

Work Experience

Intern at Tech Mahindra, Noida	06/2024 – 06/2024
<ul style="list-style-type: none">• 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) [\(Link\)](#)

- 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.