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 12

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

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)

- 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.