THARUNIKA L

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EDUCATION

KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY   *Coimbatore, India*

Bachelor of Technology (B. TECH) - Computer Science and Business Systems   *2022-2026*

CGPA-9.17

FRONTLINE MILLENNIUM SCHOOL CBSE   *Tiruppur, India*

AISSCE (12th grade)-93.7%   *2012-2022*

AISSE (10th grade)-94.1%

SKILL SUMMARY

- **Languages:** JAVA, Python, C, C++, Go, JavaScript, R,JavaScript
- **Frameworks:** PyTorch, Tensorflow, Scikit, Keras, React, ReactNative, Vite, Node
- **Database & Tools:** PostgreSQL, MySQL, MongoDB, Git
- **CS Fundamentals:** DSA, Operating Systems, Formal Language and Automata Theory
- **Soft Skills:** Public Speaking, Team Player, Inquisitive, Leadership

EXPERIENCE

Buyofuel Pvt Ltd   *Coimbatore, India*

Tech Intern   *July 2024*

Dashboard Design, Supply chain optimization, Data Analysis and Prediction of Sales

PROJECTS

- **Legal Ease:** Offline, local and privacy-first Legal Documents analyzer leveraging RAG.
  Tech Stack: Ollama, Phi-3(Quantized), FAISS, LangChain, Gradio
- **Image Caption Generator** (**Deep Learning, CNN-LSTM**): Automates image description using deep learning, merging computer vision and natural language processing.
  Tech Stack: Python, Keras, Tensorflow, PIL, Pickle
- **Web App Translators** (**NLP**): Real time translation of texts into English specialized for tourists
  Tech Stack: Hugging Face Transformers, Flask, Tensorflow
- **AI Model Inference Optimization Across Diverse Hardware Platforms:** Achieved a **30%** reduction in latency for text and image models by deploying inference servers such as vLLM and TensorRT-LLM.
  Tech Stack: PyTorch, TensorRT, vLLM
- **C-NumPy:** A high-performance numerical computing library in C, replicating core NumPy functionality.

ACHIEVEMENTS

- ICT Youth Talk Tamil Nadu Regional Finalist
- Runner Up Paper Presentation (Audio processing using CNN) at CIT
- Academic Topper 2023 & 2024
- Delivered Guest Lecture on AI/ML at Sree Venkateshwara Polytechnic, Gobi

CERTIFICATIONS

- Artificial Intelligence in Marketing -*NPTEL*
- Financial Markets-*Yale University*
- GitHub Foundations - *GitHub*

SOCIAL HANDLES

GitHub   LinkedIn   Leetcode   Hackerrank   [Twitter(X)](Twitter)   [Medium(Blogs)](Medium)   Kaggle