



NATNAEL TAMIRAT

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SUMMARY

- I am a Master's degree student at Hubei University of Technology. My current focus involves developing highly efficient machine learning algorithms and models, specializing in large language models (LLMs), across various platforms. This includes optimizing model architectures, implementing algorithms for distributed computing, designing scalable training pipelines, and deploying AI solutions for real-world applications.
- Before that, I graduated from Jingchu University of Technology with a BSc, in Computer Science (with Honors). As my undergraduate thesis, I designed Text detection and image classification in IoT.
- I apply the Bellman Equation in the optimization of my life, which is a Markov decision process, but the future discount factor γ in the equation might be small and I would often be trapped in the local optimum.

EDUCATION

Masters of Computer Science and Technology

Sep 2023 - Present

Hubei University of Technology.

- Major in Computer Science.
- current focus involves conducting research and developing highly efficient machine learning algorithms, models and specializing in large language models.

Bachelor of Computer Science and Technology with Honours

Sep 2019 - Jul 2023

Jingchu University of Technology.

- Major in Computer Science and Technology.
- Thesis on "Text detection and image classification in IoT"

WORK EXPERIENCE

Frontend developer, Marcon Technologies(Remote)

May 2023 - July 2023

- I crafted and fine-tuned a responsive user interface, achieving a notable 12% enhancement in performance.
- I spearheaded testing procedures to guarantee alignment with industry benchmarks and standards.
- Leveraging my technical proficiency, I played a pivotal role in slashing system failures.

ADDITIONAL INFORMATION

- **Technical Skills:** Optimizing model architectures, implementing algorithms for distributed computing, designing scalable training pipelines, and deploying AI solutions for real-world applications.
- **Languages:** English, Chinese, Amharic.
- **Certifications:** TensorFlow Developer Professional Certificate, Deep Learning Specialization Certificate, Natural Language Processing Specialization.
- **Awards/Activities:** Actively participated in the "llama2" open-source community outreach model, promoting STEM education and inspiring students.
- **Tools:** Python, C++, Javascript, MERN stack, Matlab

STRENGTH

- Research
- Planning
- Management