

Confirmation of Internship

20th July 2024, in Zlín, Czech Republic

To:

SASWATA KUMAR DASH,

Studying at: BTech, Computer Science and Engineering, Vellore Institute of Technology Chennai, India.

This letter is to confirm that Saswata Kumar Dash, an international student, successfully completed a 2-month internship at the A.I.Lab, Tomas Bata University in Zlín, from 21.5.2024 to 20.7.2024.

During the internship, Saswata Kumar Dash gained comprehensive and in-depth knowledge in the following areas:

In-depth Knowledge of Existing LLM/Generative AI and Classical Data Science Techniques:

- He explored and analyzed existing large language models (LLMs) and generative AI technologies.
- He studied AI techniques, particularly focusing on their applications in the targeted field of automatic algorithm selection, design, and hyperparameter tuning.

Fine-Tuning of Selected Open Source LLM Models:

- He worked on fine-tuning selected open-source LLM models to enhance their performance for specific applications.
- He was involved in building and curating fine-tuning datasets aimed at improving the optimization algorithms.

State-of-the-Art Analysis of Open Source LLM Model Requirements, Applicability, and Possibilities:

- He conducted thorough research and analysis on the requirements, applicability, and possibilities of open-source LLM models.
- Evaluated the state-of-the-art techniques and identified potential improvements and applications.

Installing LLM Models on GPU Server:

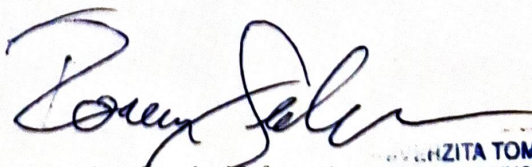
- Saswata Kumar Dash gained practical experience in installing and configuring LLM models on a GPU server, ensuring optimal performance and efficiency.

Throughout the internship, Saswata Kumar Dash demonstrated strong analytical skills, a keen understanding of complex AI and evolutionary algorithms/data science concepts, and a proactive approach to problem-solving. His contributions are valuable to our research work and future projects.

Sincerely,

Prof. Roman Šenkeřík, Ph.D.

Head of research group A.I.Lab (ailab.fai.utb.cz)



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