Interdisciplinary Project

Working Student for the Edge AI Testbed
We are seeking a highly motivated and enthusiastic Working Student to join our team as part of the Edge AI Testbed project. As a Working Student, a key member of our research team, you will contribute to the development and testing of cutting-edge Artificial Intelligence (AI) systems at the edge of the network. You will work closely with our researchers and engineers to design, implement, and evaluate innovative AI solutions that can operate efficiently on resource-constrained edge devices.

Responsibilities:

- Assist in designing and implementing AI models for edge computing
- Develop and test software components for the Edge AI Testbed
- Collaborate with team members to integrate AI models with edge hardware platforms
- Participate in performance optimization and evaluation of AI systems on edge devices
- Contribute to the development of tools and scripts for automated testing and deployment
- Document and report on project progress, results, and findings

If you are a motivated and talented student looking to gain hands-on experience in Edge AI, we encourage you to apply for this exciting opportunity!

Requirements:

- Currently enrolled in a Bachelor's or Master's program in School of CIT
- Strong programming skills in languages such as Python and C++
- Experience with AI frameworks such as TensorFlow, PyTorch, or Keras
- Familiarity with edge computing platforms and devices (e.g., Raspberry Pi, NVIDIA Jetson)
- Basic knowledge of Linux operating systems and shell scripting
- Excellent problem-solving skills and ability to work independently
- Strong communication and teamwork skills

Nice to Have:

- Experience with containerization using Docker
- Familiarity with cloud computing platforms (e.g., Kubernetes)
- Experience with Apache Ray
- Knowledge of computer vision or natural language processing
- Participation in open-source projects or personal projects related to AI and edge computing

Contact

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Advisors

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