JOB DESCRIPTION

Designation	Junior AI/Machine Learning Engineer - IoT Infrastructure Support (TP Career Kickstarter)
School/Department	School of Design
Number of Positions	1
Duration	6 months

Key Responsibilities
Image Generation and Training (with guidance): • Assist in training image-generation AI models using deep learning frameworks. • Help design and implement novel techniques to improve model performance. Large Language Model (RAG) Testing (with guidance): • Assist in testing Large Language Models for bugs or areas of improvement. • Collaborate with the research team to identify new features. Hardware Maintenance: • Maintain and troubleshoot hardware devices used in AI/ML projects, such as GPUs, servers, and network equipment. • Ensure that all hardware is properly calibrated and configured. IOT Infrastructure Development: • Assist in designing and developing local network infrastructure for IoT systems using protocols such as MQTT or CoAP.

Prerequisites
• Qualification in disciplines related to Artificial Intelligence or equivalent. • Familiarity with programming languages (e.g., Python, C++). • Basic knowledge of deep learning frameworks and Large Language Models. • Understanding of networking protocols and hardware devices used in IoT systems. • Strong problem-solving skills and ability to learn quickly. **Preferred Skills:** • Experience with Linux operating system. • Familiarity with containerization using Docker. • Knowledge of cloud platforms such as AWS or GCP.