Hisham Barakat

Hishambarakat16@gmail.com | +86 166 0152 0270 | +973 3302 5065 | linkedin.com/in/hishambarakat

hishambarakat16.github.io

Education

Peking University Sept 2023 – Present
Master in Computer Science *Beijing, China*
- **Courses:** Computational Vision, Reinforcement Learning, Computer Networking, Advanced Systems.
- Optimize Jittor backend for TensorLayerX's multi-backend AI framework.

Bahrain Polytechnic Sept 2017 – May 2021
Bachelor of ICT *Isa Town, Bahrain*
- **Courses:** Data Center Mgmt, Advanced Networking, Programming, IT Project Mgmt.

Skills

Languages: Python, C++, Java, SQL, YAML

Technologies: PyTorch, TensorRT, Diffusion, Hugging-Face Transformers, LangChain, PEFT, BitsAndBytes, OpenAI, Anthropic/Claude, FastAPI, Uvicorn, Flask, Docker, Kubernetes, AWS, GCP, Power-BI, Git, CUDA

Experience

Jiangsu Huaxiang Digital Technology Group Co.,Ltd Sept 2024 – Present
Lead AI Engineer (Collaborative Project for Jiangsu Huaxiang) Remote
- Architect a scalable image generation app, expanding from **3 to 30 models** for both local and API-based deployment.
- Achieve a **95%** inference speedup through TensorRT and model optimization techniques.
- Fine-tune multilingual LLM, ASR, and TTS models using **Transformers**, **LoRA**, **PEFT**, and **Unsloth**.
- Lead a team of **3 junior engineers**, enhancing productivity through hands-on mentorship and code reviews.
- Build CUDA-ready Docker containers to streamline GPU deployment and support future cloud scaling.

Huawei Technologies Bahrain W.L.L Sept 2022 – Aug 2023
IP Engineer Seef, Bahrain
- Developed Python-driven automation scripts that cut network deployment time by over **50%**.
- Performed network patching, deployment, and maintenance for multiple clients under strict SLAs, ensuring **100%** network availability.

Tatweer Petroleum Sept 2021 – Aug 2022
Data Science & AI Engineer Awali, Bahrain
- Cleaned and analyzed over **1M** data points from **6** systems using AWS, enabling diagnostics for **300+** wells, uncovering root causes that saved up to $100K.

Amazon Web Services Feb 2021 – Jun 2021
Solutions Architect intern Manama, Bahrain
- Led a team of 5 to build a serverless face-mask detection dashboard using AWS Rekognition, Lambda, S3, and DynamoDB—achieving over **90%** accuracy and cutting operational costs by **95%**.