MAYANK KUMAR

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https://mayanku1111.github.io

SUMMARY

I am always keen on solving real world problem with Deep learning,GenAI ,my previous experience includes working in NLP,LLM tools like langchain and Llama Index, Multimodal LLMS, Diffusion models and Computer Vision

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WORK EXPERIENCE

Machine Learning Engineer ,Oryx AI(Stanford Stealth Startup)   **August 2024 - Present**

- Worked on Character LLM,Neural Gaussian Fields,SMERF(Efficient radiance fields)
- Worked on diffusion models tools like ComfyUI,regional prompter
- Fine tuned multiple diffusion models with dreambooth,LoRA
- Reduced concept bleeding on multi character image generation using Flux LoRAs

Research Internship,National University of Singapore(Remote)   **August 2024-Present**

- Working on developing a multimodal AI-powered mental health support system integrating LLMs with real-time speech and facial expression analysis
- We are using llama,audio transformers,computer vision and other tools.
- Guide :-Dr.Tan wee kek

Research Internship,National University of Singapore,Singapore   **June 2024**

- We developed Ikshana, Automated Speech to Sign language system
- Also worked on aws sagemaker
- Guide :- Dr.Tan wee kek ,Dr.Manoranjan dash

EDUCATION

B.Tech in Computer Science Engineering   **2023-2027**
Bennett University
Specialization: Artificial Intelligence

ADDITIONAL INFORMATION

- **Technical Skills:** Computer Vision,NLP,Pytorch,Jax,Cuda,AWS,Vision Language Models,Next.js,React.js.
- **Certifications:** AWS training and certification (Nus singapore),Big data Analytics using Deep Learning(Nus computing),ML course(coursera)