

MAYANK KUMAR

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SUMMARY

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

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
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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)