Rohit Das

Deep Learning Engineer

Taipei City, Taiwan   +886905023713   rdas.879@gmail.com   https://rohit7044.github.io

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Profiles

 rohit7044
Github

 rohit-das-9752b3aa
LinkedIn

 rdas.879
Medium

Summary

Rohit Das is a Generative AI Engineer specializing in 3D Reconstruction, Texture Generation, RAG application using Generative AI

Experience

Bifrost AI   2023/09 - Present
AI Engineer (Intern)   Remote
 https://www.bifrost.ai

Deployed cutting-edge models across multiple products, with a primary focus on texture generation from textual input.

Significantly optimized time efficiency, decreasing computational time from hours to mere minutes.

CI3D- Colour Imaging 3D Lab   2022/02 - 2023/07
Junior Researcher   Taipei City, Taiwan

Topic of Research -Texture Estimation from One Shot Image

Projects

FasTEX - Fast Text to Texture Generation
Generate textures suitable for mesh inpainting

- This innovation stands out as the fastest solution in the market.

- However, it is essential to acknowledge the identified drawback related to interpolation issues.

Blender, Neural Rendering, Stable Diffusion, ControlNet

ChatPDF
Talk with your PDF

- Leveraging the Mistral 7B model, ChatPDF introduces an innovative approach to augment PDF interactivity, incorporating features such as summarization and interactive questioning.

- To address cold start issues, the project wisely stores data in a Vector Database, ensuring efficient retrieval and utilization.

- A current drawback in the code lies in its synchronous prompt processing during each iteration, hindering user interaction; an enhancement is needed to make the system asynchronous, allowing users to send multiple prompts without interruptions

RAG, LLM, ChromaDB

Education

National Taiwan Normal University   2021- 2023
Computer Science and Information Engineering   Masters
3.8

Skills

RAG	Stable Diffusion	Neural Rendering	LLM
Intermediate	Intermediate	Intermediate	Intermediate

Languages

English	Hindi	Chinese
Expert	Expert	Elementary