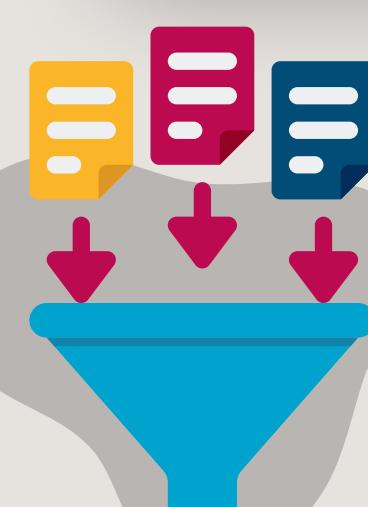
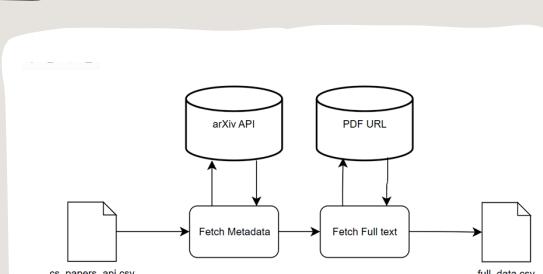


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OBJECTIVE

- To use an NLP or LLM model for accurate and efficient text summarization.
- To streamline the process of converting large text datasets into concise summaries.
- To develop a user-friendly interface for interacting with the summarization tool.

1 DATA COLLECTION



2 CLEAN AND PREPROCESS

- Removing noise and formatting
- Removing target (Abstract)
- tokenization



3

MODEL SELECTION AND FINE-TUNING

- Select the google/flan-t5-xxl model for text summarization tasks.
- Perform finetuning using LoRA

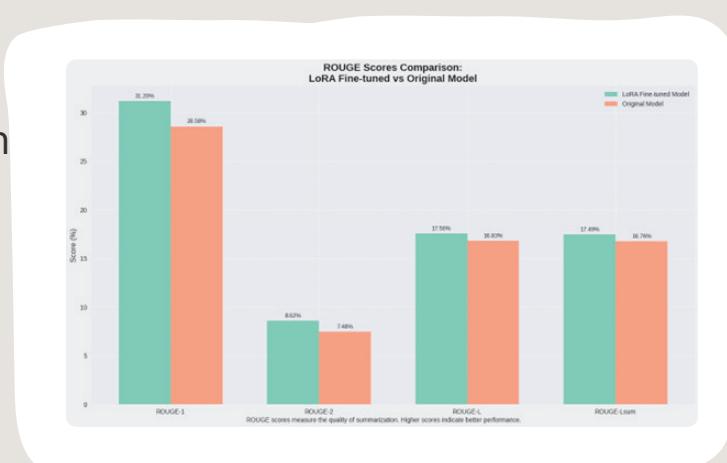


4

EVALUATION

Conduct thorough testing using

- automated (Rouge Score)
- human evaluations.



5

INTERFACE BUILDING

Based on your goals/objectives, you must be able to monitor and define the success of your campaign



SCIENTIFIC AI SUMMARIZER

Original Text

Drag and drop your file here
or
CHOOSE FILE

End-to-End Performance Analysis of Underwater Optical Wireless Relaying and Routing Techniques Under Location Uncertainty Abdulkadir Celik, Member, IEEE, Nasir Saeed, Member, IEEE, Basem Shihada, Senior Member, IEEE, Tareq Y. Al-Naffouri, Senior Member, IEEE, and Mohamed-Slim Alouini, Fellow, IEEE INTRODUCTION T HE recent demand on high quality of service communications for commercial, scientific and military applications of underwater exploration necessitates a high data rate, low latency, and long-range underwater networking solutions . Fulfilling these demands is a formidable challenge for most of the electromagnetic frequencies due to the highly attenuating aquatic medium. Therefore, acoustic systems have received considerable

Word count: 9962

File: 1901.09357v1.txt

SUMMARIZE

Summary

spective refractive indices. The scattering effect is regarded as the deflection of the photons from its default propagation path, which is caused either by water particles of size comparable to the carrier wavelength or by constituents with different refractive indices. The scattering effect is regarded as the deflection of the photons from its default propagation path, which is caused either by water particles of size comparable to the carrier wavelength or by constituents with different refractive indices.

COPY TO CLIPBOARD

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1 CLEAN AND PREPROCESS

- Removing noise
- tokenization

2

SUMMARY GENERATION

- Generate Summary from the model

3

POSTPROCESSING

- Detokenization the Summary

CONCLUSION

- Successfully developed a web-based application for summarizing scientific texts in Networking and Internet Architecture.
- Enhanced model performance using LoRA techniques, resulting in precise and accurate summaries.
- Created a user-friendly interface facilitating quick and easy access to summarized information.