**Chatbot Design using the Ubuntu Dialogue Corpus Dataset**

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**Introduction**

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**Dataset and Preparation**

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**Data Pre-Processing**

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**Model Design**

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**Model Training**

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**Response for Multi-Turn Conversation**

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**App for Chatbot Interface**

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**Summary and Evaluation Metrics**

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**References**

Jurafsky, D. & Martin, J. H. (2023). Speech and Language Processing: An Introduction to Natural Language Processing, Computational Linguistics, and Speech Recognition (3rd ed.).

Tunstall, L., von Werra, L., & Wolf, T. (2022). Natural Language Processing with Transformers: Building Language Applications with Hugging Face (1st ed.). O’Reilly Media, Inc.

Lowe, R., Pow, N., Serban, I., & Pineau, J. (2015). The Ubuntu Dialogue Corpus: A Large Dataset for Research in Unstructured Multi-Turn Dialogue Systems. Kaggle. https://doi.org/10.48550/arXiv.1506.08909