# Design & Development

## Neural Network

<https://www.researchgate.net/publication/273918305_Automatic_diacritization_of_Arabic_text_using_recurrent_neural_networks/figures?lo=1>

## User-Interface

* Will be developed in Java using the Swing GUI framework.
* User will be able to switch between features (e.g. text analysis, database) through tabs at the top of the screen.

## Database

* Will be developed using SQLite

# Current Progress

Neural Network:

* Designed and Built
* Training is being Optimised.

User Interface

* Basic Outline for the Text Analysis is done

Database:

Schema is completed 🡪ERD

# Remaining Work