

Sulaeman Aloradi

Home : Marktstraße 32, 53424, Remagen, Germany

Email: snedal99@gmail.com | **Phone:** (+49) 15754221331 | **LinkedIn:** <https://www.linkedin.com/in/sulaeman-aloradi-3927a5212/>

EDUCATION

[04/2023 – Current]

Master of Science in Computer Science

Bonn University

City: Bonn | **Country:** Germany

[09/2018 – 06/2022]

Bachelor of Science in Computer science

King Abdulaziz university

City: Jeddah | **Country:** Saudi Arabia | **Final grade:** 4.66 out of 5 (Excellent) | **Thesis:** Recommendation System for Educational Material Quality Assessment

Experience

Project 1: Fine-grained Fact Verification with Kernel Graph Attention Network

- **Objective:** Leveraged the KGAT model to classify scientific claims, achieving a 3% improvement (from 71% to 74%) in labeling accuracy, and a 1% improvement (from 69% to 70%) in FEVER Score. This was inspired by the research paper "[Fine-grained Fact Verification with Kernel Graph Attention Network](#)".
- **Data Preprocessing:** Applied tokenization, stemming, and lemmatization using NLTK for model training.
- **Feature Engineering:** Used TF-IDF vectorization to enhance feature extraction.
- **Model Development:** Trained using multiple classification models, including Logistic Regression, Naive Bayes, and SVM.

Link: <https://github.com/Sulaiman-Nedal/KGAT>

Project 2: Text Summarization Tool with Extractive and Abstractive Methods

- **Objective:** Deploying a web application for text summarization, employing both extractive and abstractive techniques to summarize texts.
- **Data Preprocessing:** Leveraged NLTK for sentence and word tokenization, stop word removal, and stemming to prepare text data for summarization tasks.
- **Feature Engineering:** Utilized Scikit-learn for TF-IDF vectorization to identify features for extractive summarization.
- **Model Development:** Enhanced extractive summarization with the TextRank algorithm (via NetworkX) and integrated tokenized data into the BART transformer model for abstractive summarization, producing coherent and concise summaries.

Link: <https://github.com/Sulaiman-Nedal/text-summarization-tool>

SKILLS

- **Technical Skills:** Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, NLTK), Java, SQL, Git, Github, Jupyter Notebooks, Google Colab.
- **Soft Skills:** Analytical thinking, problem-solving, adaptability, teamwork, enthusiasm for new technologies.
- **Language Skills:** English (Fluent), German (Beginner).