

Salman Masih

<https://github.com/salmanmasih>

salmanpopa@live.com

+92 (321) 614 7892

SUMMARY

Ph.D. Candidate in Computer Science, enthusiast, exploring large language models and their evaluation for summarization of low-resource languages, natural language modelling, understanding, and generation.

EXPERIENCE

Teaching Assistant, Databricks	(SEP 2023 – SEP 2024)
Lecturer, Air University, Islamabad, Pakistan	(SEP 2021 – SEP 2022)
Lecturer, Foundation University Islamabad, Pakistan	(MAR 2020 – SEP 2021)
Lecturer, University of Sialkot, Pakistan	(OCT 2016 – FEB 2020)

EDUCATION

Ph.D. Air University Islamabad, Pakistan (FEB 2019 – expected JUL 2025)

Computer Science (NLP)

Thesis: Low-Resource Legal Text Abstractive Summarization by Exploiting Transformer-Based Approaches

MS (CS) Capital University of Science & Technology, Islamabad, Pakistan (SEP 2013 – JAN 2016)

Computer Science (ML)

Thesis: Predicting Bollywood Movie Success Using Zee Cine & IFFA Awards

MCS Virtual University of Pakistan, Lahore, Pakistan (APR 2011– APR 2013)

Computer Science (DB)

B.Sc. University of the Punjab, Lahore, Pakistan (SEP 2007 – SEP 2010)

Computer Science, Mathematics & Statistics

PUBLICATIONS

1. [Masih, S., Hassan, M., Fahad, L. G., & Hassan, B. \(2025\). Transformer-Based Abstractive Summarization of Legal Texts in Low-Resource Languages. *Electronics*, 14\(12\), 2320.](#)
2. *Few-Shot and Zero-Shot Learning for Low-Resource Legal Text Summarization (under review)*
3. *Encoder-Decoder vs. Decoder-Only Architectures for Legal Summarization (under review)*
4. *Parameter-Efficient Legal Summarization with LoRA: Performance, Cost, and Domain Adaptation (under review)*

Workshops/Seminars (Participated/Attended)

- [The Amazing World of Neural Language Generation](#) (Ji et al., EMNLP 2020)
- Principles of Language Testing
- The Scope of Linguistics, English in Pakistan, and its Teaching Practices
- Web Mining and Semantic Computing

PROFESSIONAL CERTIFICATIONS & SPECIALIZATION

- Data Scientist with Python Track (datacamp.com)
- Natural Language Processing (deeplearning.ai)
- Deep Learning Specialization (deeplearning.ai)
- DeepLearning.AI TensorFlow Developer Professional Certificate (deeplearning.ai)
- Large Language Models Professional Certificate (Databricks)
- Generative AI Engineering with LLMs (IBM)
- Large Language Models (H2O.ai)
- Generative AI with Large Language Models (deeplearning.ai)

- Pretraining LLMs(deeplearning.ai)
- Quantization Fundamentals with Hugging Face (deeplearning.ai)
- Understanding and Applying Text Embeddings(deeplearning.ai)
- Finetuning Large Language Models(deeplearning.ai)

Programming Languages Proficiency & Skills

- Python, C/C++, TensorFlow, Keras, Git, Hugging Face, PyTorch, scikit-learn, SpaCy, NLTK, gensim.

PROJECT IMPLEMENTATIONS

- Fine-Tune BERT for Text Classification with TensorFlow
- Basic Sentiment Analysis with TensorFlow
- Amazon Echo Reviews Sentiment Analysis Using NLP
- Detect Fake News in Python with TensorFlow
- NLP: Twitter Sentiment Analysis
- Perform Sentiment Analysis with scikit-learn.
- Sentiment Analysis with Deep Learning using BERT

COURSES TAUGHT

- Programming Fundamentals and Object-Oriented Programming (OOP) using C++.
- Introduction to Artificial Intelligence
- Introduction to Data Science
- Compiler Construction
- Natural Language Processing

RESEARCH INTEREST

- Large Language Models
- Natural Language Processing
- Machine Learning
- Deep Learning

AWARDS

- Merit scholarship, full tuition fee waiver on achieving a 3.73 CGPA in the first semester of MCS.

LANGUAGES

- Punjabi (native), Urdu (working proficient), English (working proficient)

REFERENCES

Dr. Muhammad Tanvir Afzal
Director and Professor
Department of Computing
STMU, Park Road Campus
Shifa Tameer-e-Millat University, Islamabad, Pakistan
Email: director.ssc@stmu.edu.pk

Dr. Mehdi Hassan
Associate Professor (Tenured)
Department of Computer Science,
Air University, Islamabad
Islamabad, Pakistan.
Email: mehdi.hassan@mail.au.edu.pk

Dr. Imran Ihsan
Associate Professor
Department of Computer Science
Air University, Islamabad
Islamabad, Pakistan

Email: imranihsan@mail.au.edu.pk