

# Muhammad Shoaib Tahir

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**GitHub:** github.com/MuhammadshoaibTahir | **Website:** linguinia.com | **PyPi Library:** pypi.org/user/shoaibT7

**Kaggle:** https://www.kaggle.com/muhammadshoaibtahir | **Medium:** https://medium.com/@shoaibtahir410

## EDUCATION

### Government College University, Faisalabad

2020-2022

*Master of Philosophy in Applied Linguistics*

Cumulative GPA: 3.33/4.00

- **Thesis title:** Development of Punjabi Synset Using Expansion Approach from English WordNet.

### University of Education, Lahore

2016-2020

*Bachelor of Science in English*

Cumulative GPA: 3.16/4.00

- **Specialization:** English Linguistics
- Major courses: Morphology and Syntax - Applied Linguistics - Semantics - Research Methodology

## RESEARCH EXPERIENCE

### Research Assistant

Oct 4, 2022 - Oct 4, 2024

I worked as a Research Assistant at Government College University Faisalabad for 2 years.

As a Research Assistant I developed various linguistics tools for my mother tongue (Punjabi), such as:

- Rule Based Stemmer
- Morphological Analyzer
- Multidimensional Analysis Tagger
- Punjabi WordNet
- POS Tagger
- CorpusGenerator

## RESEARCH INTEREST

- Computational Linguistics
- Corpus Linguistics
- Low Resourced Languages
- Multilingual NLP
- Sentiment Analysis
- Natural Language Processing

## SKILLS

- Python programming
- Web App development
- Linguistic tools development
- Data Annotation/Tagging
- Database Development
- Web Scraping
- Teaching and Workshop Facilitation
- Research and Development

## PROGRAMMING SKILLS

- Python (advance)
- HTML/CSS (Intermediate)
- Google Apps Script (Intermediate)
- MySQL (basics)

## EMPLOYMENT

### Visiting Lecturer at Government College University Faisalabad

Oct 2024 - Present

*Courses: Computer Assisted Language Learning, Functional English, and English Comprehension and Composition*

### Visiting Lecturer at University of Education Lahore (Faisalabad Campus)

Oct, 2024 - Jan, 2025

*Courses: English Linguistics and Literature*

### National Resource Person at Pakistan Corpus Studio

Nov, 2024 - Present

*Conducting webinars and training sessions on Corpus Linguistics*

### Assistant Manager HR at Linguistic Association of Pakistan

March, 2024 - Present

*Responsible for policy implementation, performance management, and data management.*

### Corpus Linguistics Course Instructor at University of Agriculture, Faisalabad

Feb, 2025 - March, 2025

*Teaching Corpus Linguistics to Bachelor students at UAF*

## RESEARCH PUBLICATIONS

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A Computational Approach to Understanding Agglutinative Structures in Urdu <a href="https://journals.au.edu.pk/ojsrcr/index.php/crc/article/view/309/180">https://journals.au.edu.pk/ojsrcr/index.php/crc/article/view/309/180</a>	2024
Developing Digital Resources of Shahmukhi Punjabi <a href="https://www.russianlawjournal.org/index.php/journal/article/view/3858">https://www.russianlawjournal.org/index.php/journal/article/view/3858</a>	2024
Mapping of English and Punjabi Verb Classes; A Corpus Based Study <a href="https://jals.miard.org/index.php/jals/article/view/116">https://jals.miard.org/index.php/jals/article/view/116</a>	2024
Adaptation and Development of Universal Dependencies for Punjabi (Shahmukhi) Script: Challenges and Linguistic Insights <a href="https://prjss.com/index.php/prjss/article/view/157/157">https://prjss.com/index.php/prjss/article/view/157/157</a>	2024
Morphological Description Of Nouns In Shahmukhi Punjabi; A Corpus Based Study <a href="https://journalppw.com/index.php/jpsp/article/view/17217">https://journalppw.com/index.php/jpsp/article/view/17217</a>	2023

## COURSES

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Complete Python Mastery <i>From Codewtihmosh.com</i>	March - 2023
Corpus Linguistics: Methods, Analysis, Interpretation <i>From Lancaster University, U.K</i>	Oct - 2022
English Works! <i>by Collaboration of University of Education and U.S Consulate General Lahore</i>	Oct - 2019

## CERTIFICATIONS & CONFERENCES

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A Two-Day International Conference Weaving Unity in Diversity: Many Threads, One Tapestry <i>Participated in the Pre-Conference Workshop at Air University, Islamabad</i>	May 7-8, 2025
10th International Conference of Linguistic Association of Pakistan <i>Held at University of Balochistan, Quetta</i>	Oct 2024
Using corpus to find useful phrases for novice writers in health sciences <i>By Bahria University, Islamabad</i>	August 2024
Exploring Corpus Linguistics: An Introduction to Tools, Techniques, and Analysis <i>By Linguistic Association of Pakistan</i>	May 2024
Webinar Series on Corpus Linguistics <i>By University of Sialkot</i>	March 2024
9th International Conference of the Linguistic Association of Pakistan <i>Held at Government College University Faisalabad</i>	Dec 2023
Developing and Teaching Academic Writing Courses Facilitated MOOC <i>By OPEN MOOCs - U.S Department of States</i>	Dec 2023
Scope and Direction of Linguistics <i>By University of Education</i>	April 2018

## PROFESSIONAL MEMBERSHIPS

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Linguistic Association of Pakistan (LAP)	Dec 2023 - Dec - 2024
Linguistic Society of America (SLA)	Dec 2024 - Present

## TRAINING & WORKSHOP

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Computational Linguistics (Workshop conducted on “Computational Linguistics” at The University of Faisalabad)	November 14, 2024
Corpus Linguistics Essentials: From Theory to Practical Applications (As a National Resource Person at Pakistan Corpus Studio, I conduct webinar on “Corpus Linguistics”).	November 25, 2024
Computational Linguistics (Workshop conducted on “Computational Linguistics” at The University of Faisalabad).	December 15, 2024
Introduction to Python, Corpus and Computational Linguistics (Workshop conducted on “Python, Corpus and Computational Linguistics” at The University of Faisalabad).	January 8, 2025
Basics of Corpus and Computational Linguistics (Webinar conducted for M.Phil Applied Linguistics students - University of Management and Technology, Sialkot, Pakistan).	January 15, 2025
Three-Day Training Workshop on Corpus Linguistics Tools (Trainer/resource person at University of Agriculture, Faisalabad, Pakistan).	April 15-17, 2025
Decoding Translation Using Corpora: Frameworks, Tools, and Empirical Studies (Delivered as Invited Speaker at the Department of Linguistics and Communications, UMT, Lahore)	May 13, 2025

## REFERENCES

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### **Prof. Dr. Muhammad Asim Mahmood**

Dean, Faculty of Arts and Social Sciences - Head Department of Applied Linguistics  
Government College University Faisalabad.

Phone: +92300-7644579 - Email: [masimmahmood@gcuf.edu.pk](mailto:masimmahmood@gcuf.edu.pk)

### **Dr. Hafiz Muhammad Qasim**

Assistant Professor, Government College University Faisalabad.

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### **Dr. Samina Ali Asghar**

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### **Dr. Sumrah Arshad**

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