Rida Hijab Basit

Goals

Seeking a position offering growth potential with a progressive organization where my experience, dedication to the job, commitment to quality, and education background, can best be utilized in pursuing company goals.

Education

2014 – 2017:	MS in Computer Science, CGPA 3.75 University of Engineering & Technology (UET), Lahore
2009 – 2013:	BS in Computer Science, CGPA 3.95 (Gold Medalist) Kinnaird College for Women, Lahore
2007 – 2009:	F.Sc. Pre-Engineering, Overall Grade A+ Kinnaird College for Women, Lahore
2005 – 2007:	Matric (Biology group), Overall Grade A+ Aligarh Public School, Lahore

Experience

Kinnaird College for Women, Lahore

Lecturer (August 2018 to Date)

- Courses taught/teaching – Artificial Intelligence, Data Structures, Introduction to Java Programming, Object Oriented Programming and Programming Fundamentals
- Supervised/supervising multiple final year projects

Visiting Faculty (January 2018 to May 2018)

Internet Corporation for Assigned Names and Numbers (ICANN), Los Angeles, California, U.S.

Intern - Online (January 2016 to October 2016)

- Developed proposal document and Label Generation Rules (LGR) XML for domain names of Khmer Script
- Developed proposal document and Label Generation Rules (LGR) XML for domain names of Lao Script
- Tested and reported bugs in Label Generation Rules (LGR) Tool (Python)

Center for Language Engineering, UET Lahore

Research Officer (September 2013 to January 2016)

- Developed classification system for legal texts – American funded project named "Counselytics" (Java based web service)

- Developed Greedy algorithm for extracting phonetically balanced corpora for Urdu Text to Speech System (TTS) (Java)

- Worked on existing Natural Language Processing (NLP) module for Urdu Text to Speech System (TTS) (C)

- Modified/optimized existing IPA Transcription Utility (C#)

- Worked on Urdu content development using Urdu Nastalique OCR for Urdu search engine (Java)

- Developed utilities to manage online Punjabi and Sindhi dictionaries (Java)

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- Developed Urdu, Sindhi, and Pashto Keyboards for Android based Devices

Achievements/Publications

- **Bilingual Sentiment Analysis of Tweets using Lexicon Approach**, in proceedings of Conference on Language and Technology (CLT20), Lahore, Pakistan, 2020

- **Semantic Similarity Analysis of Urdu Documents**, in proceedings of Mexican Conference on Pattern Recognition, Springer International Publishing, 2017 (MS Thesis)

- **Mining the Urdu Language-Based Web Content for Opinion Extraction**, in proceedings of Mexican Conference on Pattern Recognition, Springer International Publishing, 2017

- **Design of Speech Corpus for Open Domain Urdu Text to Speech System Using Greedy Algorithm**, in proceedings of Conference on Language and Technology (CLT14), Karachi, Pakistan, 2014

- **Text Processing for Urdu TTS System**, in poster presentation of Conference on Language and Technology (CLT 14), Karachi, Pakistan, 2014

- **Kintelligent – *Transforming Kitchens*** (Final Year Project Video) got accepted and published in AAAI 2013 Video Competition, 2013

Research Work/Projects

- Sentiment Analysis of Political Tweets (NLP/Machine Learning)

- Semantic Similarity Analysis of Urdu documents (MS Thesis)

- Text Classification using ConceptNet Knowledge Base

- Predicting River Flows by using Rainfall Data through Data Mining

- Development of an Intelligent Kitchen Countertop System for high end kitchens. The system included ingredients recognition through digital image processing and machine learning; and recipe generation using Case Based Reasoning (CBR) (Final Year Project)
- Expert System applying Artificial Intelligence (AI) for Islamic Inheritance laws

Skills

Can write software with languages

- Java
- C++
- C#
- MATLAB