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HARIS BIN ZIA

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EMPLOYMENT

Research Associate	Information Technology University	August 2018 - Present
<ul style="list-style-type: none">Research Associate at Center for Speech and Language Technologies (CSaLT), working on text simplification, lexical normalization of Roman Urdu (Latin script Urdu) and Urdu TTS.		
Graduate Fellow	Information Technology University	September 2016 - June 2018
<ul style="list-style-type: none">Research Assistant at CSaLT, worked on Urdu ASR, Pronunciation Modeling and Text Segmentation.Teaching Assistant: Discrete Mathematics (Fall 2016), Linear Algebra (Spring 2017), Software Testing (Summer 2017), Natural Language Processing (Fall 2017) and Speech Processing (Spring 2018).		
Solution Expert	Telenor Group	November 2015 - August 2016
<ul style="list-style-type: none">Developed integration components using Java, Business Process Execution Language (BPEL), Oracle Service Bus (OSB) and Oracle Data Integrator (ODI) as per Application Integration Architecture (AIA).		
Intern	Bentley Systems	June 2014 - August 2014
<ul style="list-style-type: none">Wrote automation scripts to some of regression testing tasks and also contributed towards writing tests using GoogleTest for C++ APIs.		

EDUCATION

Lahore, Pakistan	Information Technology University	Fall 2016 - Spring 2018
<ul style="list-style-type: none">Master of Science (Computer Science). CGPA: 3.80Graduate Coursework: Computational Linguistics; Speech Processing.Thesis: <i>Guftaar Shanaas</i>: Multi-Speaker Urdu Speech Recognition.		
Islamabad, Pakistan	National University of Computer and Emerging Sciences	Fall 2011 - Spring 2015
<ul style="list-style-type: none">Bachelor of Science (Computer Science). CGPA: 3.48Undergraduate Coursework: Artificial Intelligence; Information Retrieval; Design and Analysis of Algorithms.		
Independent Coursework: <ul style="list-style-type: none">Deep Learning, a 5-course specialization by deeplearning.ai on Coursera.Machine Learning by Stanford University on Coursera.Python for Everybody, a 5-course specialization by University of Michigan on Coursera.		

TECHNICAL EXPERIENCE

Publications

- Namoos Hayat Qasmi, **Haris Bin Zia**, Awais Athar, Agha Ali Raza, SimplifyUR: Unsupervised Lexical Text Simplification for Urdu. In 12th International Conference on Language Resources and Evaluation (**LREC 2020**), Marseille, France.
- Agha Ali Raza, Awais Athar, Shan Randhawa, Zain Tariq, Muhammad Bilal Saleem, **Haris Bin Zia**, Umar Saif, Roni Rosenfeld, Rapid Collection of Spontaneous Speech Corpora using Telephonic Community Forums. In 19th INTERSPEECH event (**INTERSPEECH 2018**), September 02-06, Hyderabad, India.
- Haris Bin Zia**, Agha Ali Raza, Awais Athar, Urdu Word Segmentation using Conditional Random Fields. In 27th International Conference on Computational Linguistics (**COLING 2018**), August 20-26, New-Mexico, USA.
- Haris Bin Zia**, Agha Ali Raza, Awais Athar, PronouncUR: An Urdu Pronunciation Lexicon Generator. In 11th International Conference on Language Resources and Evaluation (**LREC 2018**), May 07-12, Miyazaki, Japan.

HONORS AND AWARDS

- Awarded LDC Data Scholarship worth USD \$4000 for my master's thesis (Fall 2017).
- Awarded Graduate Fellowship for master's degree at Information Technology University.
- Awarded NICT scholarship for bachelor's degree at National University of Computer and Emerging Sciences.
- Inscribed in Dean's List of Honors for excellent academic achievement in the semesters: Fall 2012, Spring 2013, Spring 2014, Fall 2014, Spring 2015, Fall 2016, Spring 2017, Fall 2017 and Spring 2018.

Languages and Technologies

- Python; C++; Keras; TensorFlow; Java; SQL; XSLT; XML; HTML; CSS; Hadoop (Basics); Azure
- Visual Studio; Microsoft SQL Server; Oracle; MongoDB; SQLite; MySQL; IPython Notebook; CMU Sphinx; KALDI