Muhammad Ali

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http://mpi-sws.org/~muali

Work Experience

2017–Present | **Student Research Assistant, Max Planck Institute for Software Systems**
Part of Krishna Gummadi's Networked Systems group.
Projects related to bias and discrimination in social networks.
Published work at FAT* 2018 and FATREC 2017.

2015–2016 | **Backend Engineer, Patari Music**
Built the foundation for the music platform's social features.
Constantly maintained and added new features to the backend API.

Summer 2013 | **Research Intern, Lahore University of Management Sciences**
Worked on feature extraction from online newspapers for predicting malaria outbreak severity.
Maintained disease surveillance systems developed in collaboration with the provincial government.

Education

2016–Present | **MS in Computer Science**
Saarland University/Max Planck Institute for Software Systems
Saarbrücken, Germany

Grade: 1.6/5.0 (A-)
Graduate Coursework: Data Mining, Natural Language Processing, Machine Learning, Software Engineering, Social Media Analysis

2011–2015 | **BS in Computer Science**
National University of Computer & Emerging Sciences (NUCES)
Lahore, Pakistan

GPA: 3.46/4.0 (95th percentile)
Thesis: *Politeness Classification in Online Community Requests using Recursive Neural Networks.*

Skills

Engineering: Python, JavaScript, R, C, C++, Java, PHP, MATLAB, Node.js, MongoDB, SQL, Unix, HTML, CSS, Django, LaTeX

Research: Data mining and analysis, natural language processing, machine learning, deep learning, social networks, measurement studies

Publications

2018 | Till Speicher, **Muhammad Ali**, Giridhari Venkatadri, Filipe Ribeiro, George Arvanitakis, Fabrício Benevenuto, Krishna P. Gummadi, Patrick Loiseau, and Alan Mislove. Potential for discrimination in online targeted advertising. In *Proceedings of the Conference on Fairness, Accountability, and Transparency (FAT*)*, 2018

2017 | Abhijnan Chakraborty, **Muhammad Ali**, Saptarshi Ghosh, Niloy Ganguly, and Krishna P. Gummadi. On quantifying knowledge segregation in society. In *Proceedings of the FATREC Workshop on Responsible Recommendation*, 2017