

Haji Mohammad Saleem

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Objective

I wish to achieve a long term goal of giving back to the society in terms of my services as an educator and my knowledge as an academician, gained through proficiency in my area of research.

Education

2015	PhD in Computer Science	McGill University, CANADA
-Present	SUPERVISOR: Prof Derek Ruths	
2012-2015	MSc in Computer Science	McGill University, CANADA
	GPA: 3.9/4.0 GRADUATED	
2008-2012	BTECH in Computer Engineering	Aligarh Muslim University, INDIA
	GPA: 3.41/4.0 GRADUATED FIRST CLASS	

Awards and Achievements

2014	School of Computer Science Departmental Scholarship	\$20,000
	Awarded by the <i>School of Computer Science, McGill</i> for academic standing.	
2014	McGill University Differential Fee Waiver	\$22,600
	Awarded by the <i>School of Computer Science, McGill</i> for PhD.	
2013	McGill University Differential Fee Waiver	\$6,200
	Awarded by the <i>School of Computer Science, McGill</i> for academic standing.	
2012	EMEA Erasmus Mundus Scholarship	\$67,000
	Awarded full scholarship by the <i>European Union</i> to two students from India under Master's Mobility for MSc in AI at UvAmsterdam. [Declined]	
2012	Sir Syed Emerging Scholar Award	
	Award by Aligarh Alumni Association of New England at Aligarh Muslim University for higher education.	
2011	Indo - Brazil Summer Research Scholarship	\$6,600
	Awarded to six students from India, by the <i>Department of Science and Technology, Government of India</i> for research internship in Brazil.	

Research Projects

Cross-domain Feature Detection

Funded by *Consumer Reports*, I am currently working on this project to find features in product mentions on Reddit, without acquiring large amounts of in-domain information.

Dangerous Speech Project

I am currently working in collaboration with *Susan Benesch* on a project funded by the *Canadian Government*, to develop methods for efficient detection of inflammatory speech on Twitter.

Tracking and Extracting Public Response to Crisis on Twitter

As a part of my MSc thesis, I worked on a project funded by the *Canadian Government*, to develop a pipeline with multiple language-models to efficiently mine situational awareness from a live Twitter feed during crisis in order to aid search and rescue operations.

Twitter Sentiment Analysis for the Prediction of “Skyfall” sales

I undertook a project to study the correlation between human opinion and daily box office sales for the movie Skyfall through Sentiment Analysis and Machine Learning.

Software Engineering for Multi-Agent systems [Horizon Project]

I was a part of an international project between the *French* and the *Brazilian government*, that aimed at the integration of intelligent agents with network devices to develop self organizing networks. I implemented the Ginko agent platform on a virtual network that performed self-healing and intelligent routing based on coordination between central and local knowledge bases.

Work Experience

Sep 2013-	Teaching Assistant, SoCS, McGill University	Comp 208
-Present	<i>Computers in Engineering</i> : Basic constructs, algorithms and numerical methods in C and Fortran90. Responsible for: solving student queries during office hours; grading and feedback on exams, assignments.	
Jan 2013-	Research Assistant, Network Dynamics Lab, SoCS, McGill University	
-Present	<i>Data Mining, Applied Machine Learning, Applied Natural Language Processing, Crowd Sourcing, Social Network Analysis, Crisis Informatics, Demographic Inference.</i>	
Jan-	Communications Assistant, LCII, McGill University	
-Apr 2013	<i>Social Media Handling, LitServ Handling, Graphic Designing, Visual Identity Design, Survey Design and Management, Data Analysis.</i>	
Jun-	Summer Intern, LES, Pontificia Universidade Católica, Rio de Janeiro	
-Aug 2011	<i>Multi Agent Systems, Virtual Networks, Self Organizing Networks, Packet Sniffing , Knowledge Base Creation, Agent Behaviour Control.</i>	

Publications

H. M. Saleem, F. A. Zamal, and D. Ruths. “Tackling the challenges of situational awareness extraction in Twitter with an adaptive approach.” in *HumTech2015*.

H. M. Saleem, Y. Xu, and D. Ruths. “Novel Situational Information in Mass Emergencies: What does Twitter Provide?” in *HumTech2014*.

H. M. Saleem, Y. Xu, and D. Ruths. “Effects of disaster characteristics on Twitter event signature.” in *HumTech2014*.

Skills

Research : Machine Learning, NLP, Data Mining & Analysis, Crowd Sourcing.

Programming: Python, C, C++, Java, Matlab, R, Bash.

Software : Git, Vim, Eclipse, PyCharm, L^AT_EX.

Others : Adobe Photoshop, Gimp.

Workshops

Attended a two-day workshop on good teaching practices held by T-Pulse at McGill University.

Extra Curricular Activities

2014 **Organization:** 7th Annual *Political Networks* Workshops and Conference.

2014 **Volunteer Work:** Helped prepare food for the *Rabbit Hole Cafe*’s Friday lunch program, sponsored by the *McGill Chaplaincy*.

2013 **Volunteer Work:** Part of *McGill Community Engagement Day*.

2012-13 **Volunteer Work:** As a part of the McGill International Buddy program, I helped new international students to settle in Montreal and McGill lifestyle.

2010-11 **Member, Hostel Food Committee,** to check the quality of food being served.

2010-11 **Member, University Clay Modelling Club.**

Designed the ID cards for college, to be issued by the *R&D cell, ZHCET, Aligarh Muslim University*.
Certified *Taekwondo* Red Belt holder.

Hobbies: Extensive Reading, Crafts, Designing and Soccer.