

Abu Awal Md Shoeb
Ph.D. Student
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<u>Profile</u>	Designed and implemented deep learning job placement algorithm for a heterogeneous cluster under Kubernetes. Also working at the intersection of NLP and Social Media Analytics to determine basic human emotions by extracting different components of social media data.																		
<u>Interests</u>	Natural Language Processing, Social Media Analytics, Information Extraction, Cognitive Science, Distributed System, and Cloud Computing																		
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<u>Work Experience</u>	<table><tr><td>Rutgers University Teaching Assistant, Dept. of Computer Science</td><td>New Brunswick, NJ <i>Fall 2015 - present</i></td></tr><tr><td>Nokia Bell Labs Summer Intern</td><td>Murray Hill, NJ <i>Summer 2018 and 2017</i></td></tr><tr><td><ul style="list-style-type: none">Developed a module for Deep Learning Training System to support custom placement policies in a heterogeneous GPU cluster under KubernetesDeployed highly scalable chat application under Kubernetes (K8). The deployment includes the use of Horizontal Pod Autoscaler (HPA) and the Custom Scheduler</td><td></td></tr><tr><td>MedSnap LLC Software Engineering Intern</td><td>Birmingham, AL <i>Summer 2015 and 2014</i></td></tr><tr><td><ul style="list-style-type: none">Improved the performance and the visualization of the Medication Safety Tools using Amazon EC2, S3 and d3 framework</td><td></td></tr><tr><td>Dhaka Stock Exchange Ltd. External IT Consultant</td><td>Dhaka, Bangladesh <i>February – June, 2013</i></td></tr><tr><td><ul style="list-style-type: none">Helped investigate and advise on remedial actions for the implementation of the MSA Plus Trading software by the Dhaka Stock Exchange Ltd.</td><td></td></tr><tr><td>Access to Information (A2I) Program, UNDP e-Service Programmer</td><td>Dhaka, Bangladesh <i>December 2008 – June 2009</i></td></tr><tr><td>Criss Cross Computers Co-Founder (Developed and manage Online payment service provider for universities)</td><td>Sylhet, Bangladesh <i>2011 - present</i></td></tr></table>	Rutgers University Teaching Assistant, Dept. of Computer Science	New Brunswick, NJ <i>Fall 2015 - present</i>	Nokia Bell Labs Summer Intern	Murray Hill, NJ <i>Summer 2018 and 2017</i>	<ul style="list-style-type: none">Developed a module for Deep Learning Training System to support custom placement policies in a heterogeneous GPU cluster under KubernetesDeployed highly scalable chat application under Kubernetes (K8). The deployment includes the use of Horizontal Pod Autoscaler (HPA) and the Custom Scheduler		MedSnap LLC Software Engineering Intern	Birmingham, AL <i>Summer 2015 and 2014</i>	<ul style="list-style-type: none">Improved the performance and the visualization of the Medication Safety Tools using Amazon EC2, S3 and d3 framework		Dhaka Stock Exchange Ltd. External IT Consultant	Dhaka, Bangladesh <i>February – June, 2013</i>	<ul style="list-style-type: none">Helped investigate and advise on remedial actions for the implementation of the MSA Plus Trading software by the Dhaka Stock Exchange Ltd.		Access to Information (A2I) Program, UNDP e-Service Programmer	Dhaka, Bangladesh <i>December 2008 – June 2009</i>	Criss Cross Computers Co-Founder (Developed and manage Online payment service provider for universities)	Sylhet, Bangladesh <i>2011 - present</i>
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<u>Selected Publications</u>	<ul style="list-style-type: none">“Spam Campaign Cluster Detection Using Redirected URLs and Randomized Sub-Domains”, Abu Awal Md Shoeb, Dibya Mukhopadhyay, Shahid Al Noor, Alan Sprague, Gary Warner, Social Informatics 2014, December 14-16, 2014, Cambridge, MA, USA“A Comparative Study on I/O Performance between Compute and Storage Optimized Instances of Amazon EC2”, Abu Awal Md Shoeb, Ragib Hasan, Md. Haque, and Meng Hu, IEEE Cloud 2014, June 27 – July 2, 2014, Alaska, USA																		
<u>Awards and Grants</u>	<ul style="list-style-type: none">TA-GA Professional Development Fund, Rutgers University, Summer 2018, 2017 and 2016Graduate Mentor, Douglass DIMACS Computing Corps, Rutgers University (Fall 2015 - Present)Best Paper Award, ASE Social Informatics 2014, Cambridge, MA, USAGraduate Research Assistantship, University of Alabama at Birmingham (Fall 2013 – Spring 2015)																		
<u>Extra-Curricular</u>	<ul style="list-style-type: none">President, Rutgers Graduate Student Association (GSA), 2016 - 17Core Member, Bangladesh Open Source Network (BdOSN)																		
<u>Computer Skills:</u>	<ul style="list-style-type: none">Languages: C, Java, Python, PHP, JavaScript, MySQL, Oracle, PostgreSQL, SQLite, ScalaOthers: Amazon EC2 and S3, cAdvisor, Docker, Grafana, Wordpress, EnCase, Vagrant, KubernetesData Analysis Tools: JMP, WEKA, Spark Notebook																		