

Abu Awal Md Shoeb

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| Profile | Analyzed and Visualized millions of Twitter data using Apache Spark and Scala Deployed highly scalable application under container based management system Kubernetes (K8) Working on scheduling algorithm for Green Data Center using Reinforcement Learning (RL) | | | | | | | | | | | | |
| Interests | Big Data Analytics, Green Data Center, Scheduling Algorithm, Automated Cluster Management System | | | | | | | | | | | | |
| Education | <table><tr><td>Rutgers University PhD in Computer Science</td><td>New Brunswick, NJ <i>Fall 2015 - present</i></td></tr><tr><td>University of Alabama at Birmingham (UAB) M.Sc. in Computer and Information Sciences</td><td>Birmingham, AL <i>Spring 2015</i></td></tr><tr><td>Shahjalal University of Science and Technology (SUST) B.Sc. in Computer Science and Engineering (GPA 3.70/4.00)</td><td>Sylhet, Bangladesh <i>August 2008</i></td></tr></table> | Rutgers University PhD in Computer Science | New Brunswick, NJ <i>Fall 2015 - present</i> | University of Alabama at Birmingham (UAB) M.Sc. in Computer and Information Sciences | Birmingham, AL <i>Spring 2015</i> | Shahjalal University of Science and Technology (SUST) B.Sc. in Computer Science and Engineering (GPA 3.70/4.00) | Sylhet, Bangladesh <i>August 2008</i> | | | | | | |
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| Work Experience | <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<ul style="list-style-type: none">Deployed highly scalable chat application under Kubernetes (K8), an open-source system for automating deployment, scaling and management of containerized applications. The deployment includes the use of Horizontal Pod Autoscaler (HPA) and the Custom Scheduler.</td><td>Murray Hill, NJ <i>Summer 2017</i></td></tr><tr><td>MedSnap LLC Software Engineer Intern<ul style="list-style-type: none"><i>Medication Safety and Data Visualization using Amazon EC2 and S3 and d3 framework</i></td><td>Birmingham, AL <i>Summer 2014 and 2015</i></td></tr><tr><td>Dhaka Stock Exchange Ltd. External IT Consultant<ul style="list-style-type: none">Member of an investigative team to identify the origin of the problem of new MSA Plus Trading software launched by Dhaka Stock Exchange Ltd.</td><td>Dhaka, Bangladesh <i>February – June, 2013</i></td></tr><tr><td>Access to Information (A2I), UNDP e-Service Programmer</td><td>Dhaka, Bangladesh <i>December 2008 – June 2009</i></td></tr><tr><td>Criss Cross Computers (Online payment service provider for university students) Co-Founder</td><td>Sylhet, Bangladesh <i>2006 - 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 <ul style="list-style-type: none">Deployed highly scalable chat application under Kubernetes (K8), an open-source system for automating deployment, scaling and management of containerized applications. The deployment includes the use of Horizontal Pod Autoscaler (HPA) and the Custom Scheduler. | Murray Hill, NJ <i>Summer 2017</i> | MedSnap LLC Software Engineer Intern <ul style="list-style-type: none"><i>Medication Safety and Data Visualization using Amazon EC2 and S3 and d3 framework</i> | Birmingham, AL <i>Summer 2014 and 2015</i> | Dhaka Stock Exchange Ltd. External IT Consultant <ul style="list-style-type: none">Member of an investigative team to identify the origin of the problem of new MSA Plus Trading software launched by Dhaka Stock Exchange Ltd. | Dhaka, Bangladesh <i>February – June, 2013</i> | Access to Information (A2I), UNDP e-Service Programmer | Dhaka, Bangladesh <i>December 2008 – June 2009</i> | Criss Cross Computers (Online payment service provider for university students) Co-Founder | Sylhet, Bangladesh <i>2006 - present</i> |
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| Selected Publications | <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 (Best Paper Award)“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 | | | | | | | | | | | | |
| Awards and Grants | <ul style="list-style-type: none">TA-GA Professional Development Fund, Rutgers University, Summer 2016 and 2017Graduate Mentor, Douglass DIMACS Computing Corps, Rutgers University (Fall 2015 - Present)Graduate Research Assistantship, University of Alabama at Birmingham (Fall 2013 – Spring 2015) | | | | | | | | | | | | |
| Extra Curricular | <ul style="list-style-type: none">President, Rutgers Graduate Student Association (GSA), 2016 - 17Core Member, Bangladesh Open Source Network (BdOSN) | | | | | | | | | | | | |
| Computer Skills: | Languages: C, Java, Python, PHP, JavaScript, MySQL, Oracle, PostgreSQL, SQLite, Scala Others: Amazon EC2 and S3, cAdvisor, Docker, Grafana, Wordpress, EnCase, Kubernetes Data Analysis Tools: JMP, WEKA, Spark Notebook | | | | | | | | | | | | |