

# ABU AWAL MD SHOEB

A passionate, innovative technologist with research, strategic and leadership experience

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## EDUCATION

Ph.D. Candidate in Computer Science

**Rutgers University**

📅 Fall 2015 – Present

📍 New Brunswick, New Jersey

M.Sc. in Computer and Information Sciences

**University of Alabama at Birmingham (UAB)**

📅 Fall 2013 – Spring 2015

📍 Birmingham, Alabama

B.Sc. in Computer Science and Engineering

**Shahjalal University of Science and Technology (SUST)**

📅 August 2008

📍 Sylhet, Bangladesh

## EXPERIENCE

Software Engineer Intern

**Nokia Bell Labs**

📅 Summer 2018 & 2017

📍 Murry Hill, New Jersey

- Designed and implemented a deep learning job placement algorithm under the heterogeneous system using Kubernetes
- Deployed highly scalable chat application under Kubernetes. The deployment includes the use of Horizontal Pod Autoscaler (HPA) and the Custom Scheduler
- Technologies: Python, Ansible, Kubernetes, Grafana, Docker

Software Engineer Intern

**Medsnap LLC**

📅 Summer 2015 & 2014

📍 Birmingham, Alabama

- Enhanced the performance of a web application for medication safety and developed a visualization tool including the migration to Amazon cloud
- Technologies: Vagrant, PHP, Amazon EC2, d3, JavaScript, MSSQL

Technology Consultant

**Dhaka Stock Exchange Ltd.**

📅 February – June 2013

📍 Dhaka, Bangladesh

- Helped identify implementation issues with the newly launched MSA Plus Trading software and advised on remedial actions to have the stock exchange up and running under a strict timeline

e-Service Programmer

**United Nations Development Programme**

📅 December 2008 – June 2009

📍 Dhaka, Bangladesh

- Helped develop technology infrastructure for different department within the Bangladeshi Government

Founder & CEO

**Criss Cross Computers**

📅 2011 – 2019

📍 Sylhet, Bangladesh

- Designed, developed and ran the first online payment service for students in Bangladesh to make tuition payments

## PH.D. RESEARCH

- Research broadly includes Machine Learning and Natural Language Processing
- Devised a Machine Learning model to capture the intensity of human emotion by leveraging a large emoji-centric Twitter dataset

## HONORS & AWARDS

Graduate Mentor

**Douglass DIMACS Computing Corps (DDCC)**

📅 Fall 2015 – Present

📍 Rutgers University

Professional Development Fund

**Rutgers University Graduate School**

📅 Summer 2016,17,18

Graduate Research Assistantship

**University of Alabama at Birmingham (UAB)**

📅 Fall 2013 – Spring 2015

📍 Birmingham, Alabama

Emerging Young Talents

**Prothom Alo - major daily newspaper**

📅 April 2010

📍 Bangladesh

- For coordinating and developing first mobile SMS based registration system for undergraduate admission in Bangladesh

## ACTIVITIES

President

**Rutgers Graduate Student Association (GSA)**

📅 2016-17

📍 New Brunswick, New Jersey

IBE Certification

**Institute for Biomedical Entrepreneurship**

📅 2019

📍 Boston, MA

## PUBLICATIONS

Selected First Authored Paper

- Are Emojis Emotional? A Study to Understand the Association between Emojis and Emotions (under submission)
- EmoTag – Towards an Emotion-Based Analysis of Emojis, RANLP 2019, Varna, Bulgaria
- Spam Campaign Cluster Detection Using Redirected URLs and Randomized Sub-Domains, ASE 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, IEEE Cloud 2014, June 27 – July 2, 2014, Alaska, USA