Md.Rajib Hossen

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Education

2011–2015 **B.Sc in Computer Science and Engineering**, *Khulna University of Engineering & Technology(KUET)*, Khulna, *3.63/4.00*.
last 4 semester 3.79/4.0

Research Interest

Data Mining, Big Data, Machine Learning, Distributed infrastructures & Storage systems

Research Experience

Published ○ **An approach to demand side load curtailment for the future intelligent and smart power grid of Bangladesh**. – *Electrical Engineering and Information & Communication Technology (ICEEICT), 2014 International Conference on*, April 2014, Dhaka, Bangladesh

Recent ○ **A Study On Big Data Technology using Hadoop and Forecasting Based on ARIMA Model**. – *ready to submit*

Online Profiles

Github `https://github.com/RajibHossen`
LinkedIN `https://bd.linkedin.com/in/rajibhossen`

Undergraduate Courses

Object Oriented Programming, Data Structure & Algorithm, Algorithm Analysis and Design, Computer Architecture, Theory of Computation, Microprocessor and Assembly Languages, Database Systems, Software Engineering and Information systems, Compiler Design, Peripheral and Interfacing, Mathematical Analysis, Operating Systems, Computer Networks, Artificial Intelligence, Fault Tolerant System, Computer Networks, Modeling and Simulation, Computer Graphics, **Machine Learning**, **Data Mining**

Undergraduate thesis

Title	*A Study On Big Data Technology using Hadoop and Forecasting Based on ARIMA Model*
supervisors	Prof. Dr. M M A Hashem
description	We took sales data of a store which has six to seven atrributes. we choose day and aggregate sales on each particular day. Using Hadoop, we map and reduce the data. Then we apply ARIMA model for forecasting next six(6) month sales.

Professional Experience

Sep 2016– Continue	**Software Engineer**, *IPvision Canada Inc*, Dhaka. Working in DevOps Team. Main goal is to build a private and public Cloud Infrastructure using OpenStack project
Responsibilities	○ Build, deploy monitoring and administrating applications for Storage systems, cloud systems using python django framework. ○ Cloud infrastructure R&D using OpenStack (Nova, Cinder, Neutron, Horizon, Keystone, Glance,Sahara) ○ Integration of big data infrastructure clusters (Hadoop, Spark, Solr, Telegraf, InfluxDB, ElasticSearch etc) to OpenStack cloud ○ Analyze, forecast, deploy and maintainence of Hadoop Clusters, spark clusters, analytics cluster(Telegraf, influxdb, chronograf, kapacitor) and related stacks ○ Automation script for cluster maintenance, deployments
October 2015–August 2016	**Jr. Software Engineer**, *Workspace Infotech Ltd*, Dhaka. Design,research,coding and deployment of software applications.
Responsibility	○ Design, development of application backend, API server, Web applications using Laravel PHP Framework; ○ Reserch & Development of AdEngine and AdServer; ○ Design, Review, development of front end using JavaScript, HTML, CSS ○ Design, development, deployment of Android Application Development
Achievements	○ Best Employee of the month Award, three(3) times;

Standardized Test Scores

GRE	310 Quant : 161, Verbal: 149, AWA: 3.5,taken on Aug 23,2017
TOEFL	Scheduled at Nov 4, 2017

Technical skills

Languages	Python, R, Java, C++ C
Scripting languages	Basic JavaScript

Data Science Tools	Hadoop, Spark, Solr, Cassandra, TICK stack
Database Technologies	Cassandra,MySQL
Environments	Linux(CentOS 7, Ubuntu)
Mobile	Android Application Development
Web	Django Framework

Activities

Online Courses	Programming Mobile Applications for Android Handheld Systems (Coursera), Pre-Calculus (Coursera), **Intro to Hadoop and MapReduce(Udacity)**,Introduction to Computational Thinking and Data Science(MITx 6.00.2x),**The Data Science Toolbox in Coursera**
Programming	Regularly Solve programming problems in online websites,200+ solve in Uva Online Judge
Interests	Reading Technical books, websites,watching movies

Achievements

- 2nd (Sexual and Reproductive Health) at National Hackation-2014
- **Champion** in Intra-University Programming Contest in KUET- 2013
- 2 years consecutively in Dean's List for outstanding academic result

Referees

Referees 1	○ Dr. M.M.A.Hashem
	  - Professor,Dept of Computer Science and Engineering
	  - Khulna University of Engineering and Technology,Khulna-9203
	  - Email: hashem@cse.kuet.ac.bd

Referees 2	○ Dr. K. M. Azharul Hasan
	  - Professor,Dept of Computer Science and Engineering
	  - Khulna University of Engineering and Technology,Khulna-9203
	  - Email: az@cse.kuet.ac.bd

Referees 3	○ Md. Kowsar Hossain
	  - Assistant Professor,Dept of Computer Science and Engineering
	  - Khulna University of Engineering and Technology,Khulna-9203
	  - Email: khossain@cse.kuet.ac.bd