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 Analytics, Machine Learning, Distributed infrastructures & Storage systems

Publications

Published   ○ Animesh Kumar, Md. Rajib Hossen, Bishnu Sarker, **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.

Submitted   ○ Md. Rajib Hossen, Rubayet Rahman Rongon, M.M.A. Hashem, **Sales data analysis using Hadoop and forecastingbased on time-series ARIMA Model**. *EICT-2017, Bangladesh*

Undergraduate CS Courses

Computer Basics and Programming, Object Oriented Programming, Discrete Mathematics, Data Structure & Algorithms, Digital Logic Design, Algorithm Analysis and Design,Numerical Methods, Computer Architecture and Organization, Theory of Computation, Microprocessor and Assembly Languages, Database Systems, Software Engineering and Information systems,Operating Systems, Peripheral and Interfacing, Mathematical Analysis, Compiler Design, Computer Networks, Artificial Intelligence, Fault Tolerant System, Modeling and Simulation, Digital System Design, 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 work with time-series sales data of a super shop. We used Hadoop to reduce and aggregate sales data to each date and sales. Then we used ARIMA model to form an forecasting equation. Using the equation, we forecast future 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 in 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, Javascript, html ○ Reserch & Development of AdEngine and AdServer; ○ Design, development, deployment of Android Application Development
Achievements	○ Best Employee of the month Award, three(3) times;

Projects

- ○ Titanic passengers survival predictions-python, machine learning
- ○ Ceph, distributed storage dashboard for monitoring and administrating-django framework
- ○ Import photos from users social media and customize photos with stickers, text etc for printing- Laravel framework
- ○ Localisation Improvement with people's participation.–Android App
- ○ Detecting Affected Area in Crops Leaf to Predict Disease and Suggesting Remedy.– Java

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
Data Science Tools	Hadoop, Spark, Solr, Cassandra, TICK stack, MySQL
Operating Systems	CentOS 7, Ubuntu
Development	Django Framework, JavaScript, Android Application Development
Others	Git, RabbitMQ, memcached

Activities

Contribution	Contributing in open source projects in github. google/personfinder, dmsimard/python-cephclient, dctremblay/project-rescue etc
Online Courses	The Data Science Toolbox,R Programing(data science spealization), Programming Mobile Applications for Android Handheld Systems (Coursera), PreCalculus (Coursera), **Intro to Hadoop and MapReduce(Udacity)**,Introduction to Computational Thinking and Data Science(MITx 6.00.2x)
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