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Profile

A fresh graduate with skills in data analytics and web application programming, having an insatiable curiosity in the field of Data Mining research and seeking to work on interesting projects.

Education

- **BSc. in Computer Science,** North South University   **December 2014**
  - **CGPA:** 3.81/4.00 (Summa Cum Laude)
  - **Thesis:** Intelligent News Editor System for the Citizen Journalism Platform

- **Advanced Level ,** Oxford International School, CIE   **October 2009**

- **Ordinary Level ,** Oxford International School, CIE   **May 2007**

Employment History

- **Teaching Assistant (TA),** North South University   **Jan 2013- Jan 2014**
  -Assisted faculty members in the courses:
      1. Artificial Intelligence
      2. Database System
  -Conducted tutorial sessions and lab classes for students.
  -Grading of home-works and programming assignments
  -Proctoring examinations.

Recent Research Project

- **Intelligent News Editor System (INES) for the Citizen Journalism Platform.**
  - System built using Node.js, designed to work like a human news editor for the citizen journalism platform.
  - It can extract current trends in Bangladesh and filter out the breaking news through time series analysis.
  - Fuzzy Inference System to understand article quality.
  - Unsupervised Learning for the selection and allocation of the articles.

Publications

Accepted Journal
- Jishan, S. T., Rashu, R. I., Haque, N., & Rahman, R. M. (2015). *Improving accuracy of Students' Final Grade Prediction Model using Optimal Equal Width Binning and Synthetic Minority Over-Sampling Technique.* Decision Analytics, 1-24.

Accepted Conference Papers
- Jishan, S.T. , & Monsur,N. *Use of Trend Bursts and User Activities in Ranking News Articles by means of Unsupervised Learning.* In Science and Information Conference 2015. London, United Kingdom, July 28-30, 2015.

- Kamal, A., Jishan, S.T. ,Monsur,N. & Ahmed,N. *ChaScript: Breaking Language Barrier using a Bengali Programming System.* In 8th International Conference on Electrical and Computer Engineering, Dhaka, Bangladesh, December 20-22, 2014.

Published Book Chapter
- Jishan, S. T., Rashu, R. I., Mahmood, A., Billah, F., & Rahman, R. M. (2015). *Application of Optimum Binning Technique in Data Mining Approaches to Predict Students' Final Grade in a Course. In Computational Intelligence in Information Systems* (pp. 159-170). Springer International Publishing.

Existing Projects

- **Cha Script,** A Bengali Scripting Language build with ECMA Script grammar and is parsed using JISON JavaScript parser.

  Platform: JavaScript   **Address:** www.chascript.com   **GitHub:** git.io/as6uRw

  Role: Front End Development, Programming Language Architecture

  Remark: Reports regarding the project were published in the national newspapers: Daily Prothom Alo and Daily Samakal.

- **Kajer Khoj,** A responsive job search engine which crawls and indexes data from several job websites of Bangladesh

  Backend: PHP   **Framework:** Codeigniter   **GitHub:** git.io/5XB_2w

  Role: Full Stack Development

- **SMS Peon,** A bulk Short Message Service (SMS) platform

  Backend: PHP   **Framework:** Symfony 1.4   **Address:** www.smspeon.com

  Role: Front End Development

- **SOS BD,** An emergency mobile application which search for the nearest hospital, police station and fire service from the location of the user.

    Platform: Android   **Role:** Design

Programming Contest History

- **Honorable Mention,** ACM International Collegiate Programming Contest Dhaka Region 2012

English Language Proficiency
- **IELTS,** Overall Band - 8.0   **November 2014**

Languages and Tools

- **Web Frontend Language:** HTML, CSS, JavaScript
- **Web Backend Language:** PHP, Node.js
- **Web Backend Framework:** CodeIgniter, Express
- **Web Testing:** Selenium IDE
- **Database:** SQL (MYSQL), NOSQL (mongoDB)
- **Data Analysis Languages and Tools:** MATLAB, R, Weka, Rapid Miner
- **Other Languages:** C,C++, Java, Python

References

1. **Dr. Rashed M. Rahman**
   Associate Professor, North South University
   Phone: +8801731767637   **Email:** rashedur@northsouth.edu

2. **Dr. Hafiz Abdur Rahman**
   Associate Professor, North South University
   Phone: +8801766243111   **Email:** rahmanha@northsouth.edu

3. **Dr. Nova Ahmed**
   Assistant Professor, North South University
   Phone: +8801755501325   **Email:** nova@northsouth.edu