

# Syed Tanveer Jishan

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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 Section

- 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](http://www.chascript.com)

**GitHub:** [git.io/as6uRw](https://github.com/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](https://github.com/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](http://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**

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