

Jaydeb Sarker

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Research Interests

- ❖ Software Engineering
- ❖ Natural Language Processing

Education

Ph.D. in Computer Science,

Wayne State University

Advisor: Dr. Amiangshu Bosu

Area of Software Engineering, Natural Language Processing

August 2019- 2024 (estimated)

BSc. in Computer Science & Engineering

Rajshahi University of Engineering & Technology (RUET), Bangladesh

Position: 7th out of 56 students

January 2012 - October 2016

CGPA: **3.71/ 4.0**

Mark Equivalence-**78.20%**

Experiences

Graduate Teaching Assistant,

Department of Computer Science,

Wayne State University, Detroit, MI, USA

August 2019- Present

Full time Lecturer, Department of Computer Science & Engineering

University of Information Technology & Sciences (UITSS), Dhaka, Bangladesh

January 2017- July 2019

Internship on 5G wireless communication

Department of High Frequency and Communication Technique

Otto-Von-Guericke-Universität (OVGU) Magdeburg, Germany

September 2017- November 2017

Research Description

- ❖ Currently, I am working on behavioral analysis of the software engineering communities from their textual communication. Mainly, I give focus on Natural Language Processing using Deep Learning for Software Engineering domain. I am going to implement word2vec, glove model for word representation on vector spaces in code review comments.

Publication

Jaydeb Sarker, Mustain Billah, Md. Al Mamun, "Textual Question Answering for Semantic Parsing in Natural Language Processing". in proceedings International Conference on Advances in Science, Engineering and Robotics Technology (ICASERT) on 3-5 May 2019.

Project Work

- ❖ **City_of_Youtube_Videos**

Description: This is a graduate course project where I worked on some complicated Database queries in MySQL and designed the system using Java EE (Servlet, jsp) and apache tomcat server. Visit the github link to know details about the project.

Github link: https://github.com/jaydebsarker/DBMS_Project_CSC6710_WSU

Honors and Awards

- ❖ Deutscher Akademischer Austauschdienst (DAAD) scholarship, Germany- 2017
- ❖ Technical scholarship in RUET for outstanding result throughout 2012 to 2016

Teaching Experiences

CSC 1101 – Problem Solving and Programming Laboratory
Department of Computer Science, Wayne State University

Fall 19, Winter 20

CSE 103: Structured Programming Language

Sp 19, F 18

CSE 213: Algorithms

Sp 17

CSE 451: Software Engineering

Sp 19

Department of Computer Science, UITS

Certifications

CCNA Routing and Switching.

Details: The course includes Introduction to Networks, Routing and Switching Essentials, Scaling Networks and Connecting Networks.

Analytical Problem Solving and Programming Contests Experiences

- ❖ Participated programming contest in “RUET CSE-2012”, participated ACM-ICPC preliminary contest in Dhaka Region-2014.
- ❖ UVA online judge problem solving. Link: <http://uhunt.felix-halim.net/id/181050>

Technical Skills

- ❖ **Programming Languages:** Java, C, C++, Python, Ruby, CLIPS
- ❖ **Web Tools:** Java EE (JSP, Servlet, Hibernate), CSS, HTML, Java Script, PHP
- ❖ **Databases:** MySQL, PL/SQL (Oracle)
- ❖ **Programming Tools:** PyCharm, Eclipse, MATLAB
- ❖ **Simulation Software's / Hardware's, tools:** NI LabView, TensorFlow, USRPs (Universal Software Defined Radio Peripherals), Cisco Packet Tracer (Networking), LATEX.
- ❖ **Operating System:** Windows 7/8.1/10 & Linux.

Leaderships and Extra-Curricular Activities

- ❖ Coach of UITS programming contest team in National Collegiate Programming Contest (NCPC)- 2018
- ❖ Mentor of UITS computer club
- ❖ Speaker of the seminar on “Higher Studies Abroad for the students of UITS” in 2018.
- ❖ Volunteer in National Collegiate Programming Contest-2015, National High School Programming Contest-2016 those were held in RUET.

References

Dr. Amiangshu Bosu, Assistant Professor,
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