ALI ZAFAR SADIQ

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EDUCATION

Master of Science in Software Engineering. (2018-2019)   **CGPA : 3.98 (Pos: 1st)**
Bachelor of Science in Software Engineering. (2014-2017)   **CGPA : 3.94 (Pos: 1st)**

Institute of Information Technology, University of Dhaka

WORK EXPERIENCE

Islamic University of Technology (Adjunct Lecturer)   *November 2021- April 2022*

· Teaching and supervising students.

Northern University of Bangladesh (Lecturer)   *July 2019 - June 2021*

· I have also worked here as adjunct lecturer from January 2018 to June 2019. Taught different subjects including Database Management System, Image Processing, Data Structure, Object Oriented Programming, Structured Programming. I have also supervised students in their projects.

IQVIA (Intern)   *January 2017-June 2017*

· Worked in a Bangladeshi team of around 25 members to develop a foreign project. Used angular js to develop and fix bugs of different forms in the front end.

PUBLICATIONS

- SEKE 2019 **Ali Zafar Sadiq**, Ahmedul Kabir, Kazi Sakib. "Finding Erroneous Components from Change Coupled Relations at Fix-inducing Changes" 31st International Conference on Software Engineering and Knowledge Engineering, Lisbon, Portugal.

- ENASE 2019 **Ali Zafar Sadiq**, Md. Jubair Ibna Mostafa and Kazi Sakib. "On the Evolutionary Relationship between Change Coupling and Fix-Inducing Changes" 14th International Conference on Evaluation of Novel Approaches to Software Engineering, Heraklion, Greece.

- ECCE 2019 **Ali Zafar Sadiq**, Ahmedul Kabir, Pritom Saha Akash and Md. Jubair Ibna Mostafa. "Analyzing Corrective Maintenance using Change Coupled Clusters at Fix-inducing Changes", 2nd International Conference on Electrical, Computer and Communication Engineering, Chittagong, Bangladesh

- ENASE 2019 Pritom Saha Akash, **Ali Zafar Sadiq** and Ahmedul Kabir. "An Approach of Extracting God Class Exploiting Both Structural and Semantic Similarity" 14th International Conference on Evaluation of Novel Approaches to Software Engineering, Heraklion, Greece.

- SANER 2020 Syed Fatiul Huq, **Ali Zafar Sadiq** and Kazi Sakib. "Is developer sentiment related to software bugs: An exploratory study on github commits" 27th International Conference on Software Analysis, Evolution and Reengineering (SANER), Ontario, Canada.

TECHNICAL SKILLS

Languages	Java 7/8, C, R, Python 3, C ,Javascript, HTML5, CSS
Tools	Intellij Idea 2019 Community, Visual Studio 2015, Android Studio 2, Eclipse, Antlr, Git
Frameworks	ASP .NET, MVC, Bootstrap, Spring
OS	Linux (14.04 and 18.04) and Windows (7 and 10)

GRANTS

Research Fellowship	Information and Communication Technology Division, Bangladesh
Virtual Machine Facilities	Bangladesh Research and Education Network

ACHIEVEMENTS

Honors Talentpool Scholarship - Awarded by Government of Bangladesh.
IIT Academic Excellence Gold Medal Award - For achieving highest CGPA in Honors.
Amar Ekushey Hall Alumni Association Scholarship - For academic excellence in 3rd year of undergraduate life.
National Science Olympiad - 18th at Divisional level and 19th at National level.
National Physics Olympiad - Reaching final round.
Udvash Junior Bangladesh - 6th prize in quiz competition on secondary school level knowledge.

ACADEMIC PROJECTS

Querying Events in Distributed System (2017) - An academic research project was done to analyze events of different protocols in distributed system through provenance.
Agricultural Advisor (2016) - A web application using natural language processing to extract agricultural information from different websites. It was intended to help farmers to discuss agricultural problems and solutions with specialists using online forum.
Easy Shopping (2015) - An android based application using google map to to get the nearest shops along with list of items in the shops. There were also features for customers to place request for any item and shopkeepers to keep track of these requests.

COURSERA ONLINE CERTIFICATIONS

Game Theory - Basic Concepts, Mixed-Strategy Nash Equilibrium, Alternate Solution Concepts, Extensive-Form Games, Social Choice, Mechanism Design, Efficient Mechanisms, Auctions.
Reinforcement Learning Specialization - Fundamentals, Sample Based learning Methods, Prediction and Control with Function Approximation.
Deep Learning Specialization - Neural Networks and Deep Learning, Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization, Structuring Machine Learning Projects, Sequence Models
Data Science in Python - Fundamentals of Data Manipulation with Python, Basic Data Processing with Pandas.

COMMUNITY SERVICES

Northern University Socio-Welfare Activities	Helping poor people suffering from cold winter.
DevOps Workshop	Organizing member and main anchor.
IIT Software Engineers Community	Founding member