TANZIMA SULTANA

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EDUCATION

Texas State University   Aug, 2019 - Present
Ph.D. in Computer Science
Department Computer Science

Khulna University of Engineering and Technology   2011 - 2016
Bachelor of Science
Department Computer Science and Engineering
CGPA : 3.19/4.0

EXPERIENCE

Texas State University   Sept,2019 - Present
Doctoral Instructional Assistant (DIA)

Samsung R&D Institute, Bangladesh   2016 - 2019
Senior Software Engineer

· Project : iOS Samsung Health application
Responsibilities : Manage database, data sync, parse server response, feature development, issue fix and UI development

PUBLICATIONS

● **Tanzima Sultana**, M.A.H. Akhand, M.M. HAfizur Rahman, "A variant fisher and Jaikuamr algorithm to solve capacitated vehicle routing problem", *8th International Conference on Information Technology (ICIT)*, 2017.

● M. A. H. Akhand, Zahrul Jannat, **Tanzima Sultana**, Al-Mahmud, "Optimization of capacitated vehicle routing problem using Producer-Scrounger Method", *IEEE International WIE Conference on Electrical and Computer Engineering (WIECON-ECE)*, 2015.

● M. A. H. Akhand, Zahrul Jannat, **Tanzima Sultana**, Al-Mahmud, "Solving Capacitated Vehicle Routing Problem with route optimization using Swarm Intelligence", *2nd International Conference on Electrical Information and Communication Technologies (EICT)*, 2015.

ACADEMIC PROJECTS

● Family Tracker - An android application using Google map for tracking, setting route plan and keeping tabs on any person needed.

● Hello Doctor - A website developed using ASP.NET webform for finding doctors, taking appointment online and keeping patients profile.

● Prescription - An android application to keep patient's medical record and reminding medicine routine.

MAJOR COURSE COMPLETED

Parallel Processing, Machine Learning & Pattern Recognition, Artificial Intelligence, Machine Learning, Data Mining, Compiler Design, Database Management, Operating System, Software Engineering, Micro-processor, Data Structure & Algorithm

SKILLS

- Programming language : C, C++, Objective C, Swift, Java

- Mobile application development : iOS, Android

- Web development : ASP.NET

- Database management system : Oracle, SQLite

ACHIEVEMENTS & AWARDS

- 'Professional Programmer' level in internal problem solving test at Samsung R&D Institute Bangladesh

- Govt. scholarship for Secondary School Certificate and Higher Secondary Certificate Examination

GRE & TOEFL

- GRE - 308 (Quant - 159, Verbal - 149, AWA - 3.0)

- TOEFL - 96 (Reading - 22, Listening - 39, Speaking - 22, Writing - 23)