Mohammad Ishtiaq Ashiq Khan

Graduate, Computer Science & Engineering, BUET, Dhaka

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WORK EXPERIENCE

Lecturer at United International University
Department of CSE
Jul '19 - Present
- Teaching Network Security, Artificial Intelligence Laboratory, Data Structure

Software Engineer at InfoSapex Limited
Nov '18 - Jul '19
- Worked on the development of a government website and a Document Management System

EDUCATIONAL QUALIFICATION

Bangladesh University of Engineering and Technology, Dhaka, Bangladesh
Bachelor of Science, Computer Science and Engineering   *Jul' 14 - Oct' 18*
CGPA: 3.83/4.00

Notre Dame College, Dhaka, Bangladesh
Higher Secondary Certificate   *Jul' 11 - June' 13*
GPA: 5.00/5.00

GRE *Verbal: 160 (86th Percentile), Quant: 169 (95th Percentile), AWA: 4.0 (57th Percentile)*
TOEFL (108) *Reading: 28, Listening: 30, Speaking: 24, Writing: 26*

RESEARCH INTERESTS

Network Security, Web and Information Retrieval, Software Engineering

RESEARCH WORK

Domain Flux based DGA Botnet Detection Using Feedforward Neural Network
Supervisor : Dr. Md. Shohrab Hossain   *Jan '18 - Present*
Authors: **Md. Ishtiaq Ashiq**, Protick Bhowmick, Md. Shohrab Hossain and Husnu S. Narman
- Accepted for publication in IEEE Military Communications Conference (MILCOM), Norfolk, VA, USA, Nov 12-14, 2019

Improving Ad Hoc Network of Flying Devices Using AODV Routing Protocol
Supervisor : Dr. Md. Shohrab Hossain   *Sep '17 - Dec '18*
- Worked on the implementation of the proposal using Network Simulator 3

ACADEMIC PROJECTS

Worked on a Sentiment Analysis project where movie rating was predicted from user reviews (2018)
- IMDB movie reviews were used as the training data set
- Framework: Tensorflow

Developed an Android app "Road Genie" to assist users get an optimal route towards destination based on his/her preference (2017)
- Platform: Android

Designed and developed an Online Cinema Booking System (2016)
 - DBMS: SQL, Front End: JSP-Servlet, Back End: JAVA

COURSE PROJECTS

Emulation of a multi-threading CPU for MIPS instructions with demand paging using NACHOS
Course: Operating Systems   *2017*

End to end compiler for C language
Course : Compiler   *2016*
 - Implemented 5 stages of compiler design (lexical analysis, syntax analysis, semantic analysis, optimization, code generation)

SKILLS

Languages: Python, C++, C, JAVA, LaTeX, JavaScript, Assembly (x86)
Framework: Django Rest, Tensorflow
Database Management System: SQL, PostgreSQL
Other: HTML, CSS, Bootstrap, jQuery, Android

AWARDS & ACHIEVEMENTS

Awarded **University Merit List Scholarship** for academic performance at BUET

Awarded **Dean's List Scholarship** for academic performance at BUET

Awarded **Dhaka Board SSC & HSC Scholarship** in 2011 & 2013 respectively

Stood 34th (8th at BUET) in ACM ICPC Preliminary 2016, Dhaka amongst more than 200 teams