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| **Languages and Technologies**   * C++; Java; C#; Linux * Algorithms; Data Structures; Networking |
| **Education**   |  |  | | --- | --- | | * 3rd year PhD student in Computer Science, Kent State University, Kent, OH. GPA: 3.85 | 2017 | | * B.Sc. in Computer Science and Engineering, BUET, Dhaka, Bangladesh. GPA: 3.45 * Current Research: Explicit congestion control algorithm | JAN, 2008 | |
| **Employments**  **Software Development intern inContact, Columbus, OH May, 2015 – Aug, 2015**   * Simulated a call center where calls are generated from different probabilistic distributions and assigned to agents based on their scheduled data. Different skill matrices were being calculated. (C#) * Implemented an interval tree to make the call assignment efficient instead of searching all the agents. * Setup a hyper-v cloud using Virtual Machine Manager (SCVMM) and Azure Pack to support multi tenancy.   **Software Development intern RightRez, Bloomington, IN May, 2014 – Aug, 2014**   * Implemented a BFS and A\* search to find flights from a graph consists of 3 million flights (C#) * Implemented several heuristics that reduced that searching time from 30 minutes to few seconds. * Integrated Sabre webservice to implement seat map for airlines. (C#)   **Graduate Assistant Kent State University, Kent, OH Sep, 2013 – present**   * Worked as a TA in Networking, Algorithms, and Cluster Computing.   **Senior Software Engineer GenWeb2, Dhaka, Bangladesh Sep, 2012 – Jul, 2013**   * Implemented a 3D simulator for CNC machines. (C++, OpenGL, Qt) * Calculated the minimum number of points to draw an arc. It reduced the CPU and memory usage by 90%. * Implemented webservices for a mobile app that is used for charging electric cars (Java, Jersey, AngulerJS)   **Software Engineer KB Group, Dhaka, Bangladesh Apr, 2010 – Sep, 2011**   * Integrated payment gateways to the e-commerce and post office box applications. (C#, C++) * Implemented a print server that generates PDF tickets and print them by specialized printers (C#)   **Software Engineer Arista Enterprises, Dhaka, Bangladesh Apr, 2009 – Mar, 2010**   * Developed a visualization tool that monitors industrial machines using Modbus protocol. (C++, JavaScript) * Implemented end to end transaction for an airline booking system (ASP.Net)   **Software Engineer SDSL, Dhaka, Bangladesh Feb, 2008 – Mar, 2009**   * Implemented a zooming, panning, and caching for AfriGIS tiled map service for feature phones. (Java) |
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**Publications**

* MD I. Islam, Javed I. Khan. "Video Splicing Techniques for P2P Video Streaming."  35th IEEE International Conference on Distributed Computing Systems  (ICDCS) Workshops, Columbus, OH, 2015 .