

EDUCATION

- **BRAC University** Dhaka, Bangladesh
Bachelor of Science in Computer Science Jan 2012 – Aug 2016
 - **CGPA:** 3.75/4.00.
 - **Recipient:** Merit Based Scholarship for the duration of the entire program.

WORK EXPERIENCE

- **Therap (BD) Ltd.** Dhaka, Bangladesh
Software Engineer, System Architecture Team Oct 2016 - Present
 - **About:**
 - * Therap (BD) Ltd. is a fully owned subsidiary of Therap Services LLC, USA.
 - * Therap is an online documentation, reporting and communication software suite for agencies supporting individuals with Intellectual and Developmental Disabilities (I/DD).
 - **Responsibilities:**
 - * Experience developing and maintaining large-scale Java EE, SaaS applications.
 - * Strong understanding of Object Oriented Programming, Design Patterns, Data Structures, and Algorithms.
 - * Thorough understanding of RDBMS and a demonstrated ability in database design using SQL.
 - * Extensive experience working with Oracle WebLogic Server, Oracle Database and other Oracle Enterprise tools.
 - * Practitioner of Agile software development methodologies and Test Driven Development.
 - * Experience with Version Control Systems such as Git, Github, and Bitbucket.
 - * Experience with dependency management and build systems such as Ant, Maven, and Gradle.
 - * Adept at configuring and deploying applications on Unix-like systems.
 - * Comfort with front-end technologies such as HTML, CSS, Javascript and its many libraries.
 - **Related Technologies:** Spring MVC, Hibernate ORM, Bash.
- **BRAC University** Dhaka, Bangladesh
Teaching Assistant Jan 2014 - Aug 2016
 - **Data Structures and Discrete Mathematics:**
 - * Grade quizzes.
 - * Provide one-to-one consultations and exam hall invigilation.
 - * Assemble and distribute supplementary study materials.

PROJECTS

- **We Are X, A Customer Service Provider Firm** Dhaka, Bangladesh
Machine Learning Engineer (Contractual, Remote) Oct 2018 - Mar 2019
 - **Customer Query Classification:**
 - * Train a tf.Estimator model capable of classifying customer queries into 9 categories.
 - * Deploy the model in Google Cloud ML Engine.
 - * Expose REST endpoint for real-time inference.
 - **Outcome:**
 - * X was finding it difficult to scale to the growing number of customer queries by hiring and training new customer service representatives.
 - * My AI system improved existing customer service representative output by 3x allowing X to meet market demand keeping existing infrastructure intact.
 - * Currently X is thinking of ways to integrate the system more deeply into their workflow.

CERTIFICATES AND HONORS

- **Machine Learning with TensorFlow on Google Cloud Platform Specialization**
Google Cloud Authorized Online Training
 - **End-to-End Machine Learning with TensorFlow on GCP by Google Cloud on Coursera.** Certificate earned at **Saturday, January 12, 2019 4:58 AM GMT**: [Link to Certificate](#)
 - **Intro to TensorFlow by Google Cloud on Coursera.** Certificate earned at **Thursday, January 3, 2019 5:01 PM GMT**: [Link to Certificate](#)
- **Deep Learning Specialization**
Online Courses Taught by Professor Andrew Ng of Stanford University *Dec 2016 - Mar 2017*
 - **Deep Learning, a 5-course specialization by deeplearning.ai on Coursera.** Specialization Certificate earned on **April 9, 2018**: [Link to Certificate](#)
 - **Sequence Models by deeplearning.ai on Coursera.** Certificate earned at **Monday, April 9, 2018 1:34 AM GMT**: [Link to Certificate](#)
 - **Convolutional Neural Networks by deeplearning.ai on Coursera.** Certificate earned at **Saturday, March 10, 2018 4:36 PM GMT**: [Link to Certificate](#)
 - **Structuring Machine Learning Projects by deeplearning.ai on Coursera.** Certificate earned at **Monday, January 22, 2018 12:32 PM GMT**: [Link to Certificate](#)
 - **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization by deeplearning.ai on Coursera.** Certificate earned at **Wednesday, January 17, 2018 5:16 PM GMT**: [Link to Certificate](#)
 - **Neural Networks and Deep Learning by deeplearning.ai on Coursera.** Certificate earned at **Friday, January 12, 2018 5:45 AM GMT**: [Link to Certificate](#)

PROGRAMMING SKILLS

- **Languages:** Java, JavaScript, Bash, Python, Keras, TensorFlow, Numpy, Pandas, Matplotlib, fastai, PyTorch