

## EDUCATION

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- **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

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- **Therap (BD) Ltd.** Dhaka, Bangladesh  
*Machine Learning Engineer, Therap Innovation Lab* Oct 2019 - Present
  - **Responsibilities:**
    - \* Lead the newly established ML effort at Therap.
    - \* Create a team from the ground up by hiring and training new talent.
    - \* Explore the business potential in the analysis and inference of real-time time-series sensor data received from IoT devices.
  - **Related Technologies:** Python, Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Keras, TensorFlow
- **Therap (BD) Ltd.** Dhaka, Bangladesh  
*Software Engineer, System Architecture Team* Oct 2016 - Oct 2019
  - **Responsibilities:**
    - \* Experience developing and maintaining 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.
    - \* Extensive experience working with Oracle WebLogic Server, Oracle Database and other Oracle Enterprise tools.
    - \* Experience in 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 tools such as Ant, Maven, and Gradle.
    - \* Adept at configuring and deploying applications on Unix-like systems.
    - \* Expertise in HTML, CSS, Javascript and its many libraries.
  - **Related Technologies:** Spring MVC, Hibernate ORM, SQL, 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

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- **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.

- **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](#)**