SUMAIYA SAIMA SULTANA

Machine Learning Research Engineer

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📍 Kawasaki, Kanagawa, Japan
📄 Portfolio   🔗 Website   GitHub   in LinkedIn

PROFESSIONAL EXPERIENCE

Artificial Intelligence Research Engineer
Hiperdyne Corporation

📅 July 2019 – Present   📍 Tokyo,Japan

Engaged with the research and development activity of AIQM team of
National Institute of Advanced Industrial Science and Technology(AIST)
from July,2019.Responsibilities include:

- Research,survey and implementation of cutting edge **ML algorithms**
  with special focus on **ML testing robustness analysis**
- **Requirement analysis,business requirement designing**, **exploratory
  data analysis** and **PoC** for different AI products
- Planning and execution of entire development cycle for AI products
  for creating technical reports on **quality evaluation** based on a
  specific MLQM guideline (owned and published by AIST)

Artificial Intelligence Trainee
Hiperdyne Corporation

📅 Nov 2018 – April,2019   📍 Dhaka,Bangladesh

Trained on the basics of Artificial Intelligence and Data Science by
solving multiple ML challenges of different domains.

KEY EXPERTISE

- **Programming languages**

  Python   C++   SQL

- **Theoretical skills**

  Classic ML algorithms(Regression,SVM,kNN,Ensembling)
  Data cleaning   Preprocessing   Data visualization
  Deep Neural Networks   Convolutional Neural Network
  Corner case generation   Robustness evaluation

- **Industry skills**

  Requirement engineering   Quantitative analysis   PoC
  Quality assessment   Agile development methodologies

- **Technical skills**

  TensorFlow   Keras   Numpy   pandas
  SciPy   Jupyter   git   Docker   Flask

- **Others**

  MS Word   MS Excel   SolidWorks   Proteus   Matlab

EDUCATION

B.Sc. in Mechanical Engineering
CGPA: 3.69/4.00
**Bangladesh University of Engineering &
Technology (BUET)**

📅 October 2018   📍 Dhaka,Bangladesh

Higher Secondary School Certificate
GPA: 5.00/5.00
(Awarded Board Scholarship)
Viqarunnisa Noon School & College

📅 2013   📍 Dhaka,Bangladesh

EXTRACURRICULAR

President
BUET Robotics Society (BRS)

📅 Nov 2017 – Oct 2018

- Organizer of National Robotics
  Competitions on behalf of BRS
- Organizer & Instructor for Basic Robotics
  Workshop aimed for College Students

ACHIEVEMENTS

'International Battle of Speed' in International Engineering Innovation Summit Bangladesh
🏆 **Runner Up**
📅 2015

BWCSE-IEEE BUET Student Branch Robotics Competition
🏆 **Champion**
📅 2015

Maze Solver Robot Competition in Robo-Droid Championship, RUET.
🏆 **2nd Runner Up**
📅 2016

LANGUAGES

English   ●●●●○
Bangla   ●●●●●
Japanese   ●●○○○