Rubaiya Tasnim Sholi

rubaiyatsholi@gmail.com   [Portfolio]
Phone: +8801798427073   [Google Scholar]
Dhaka, Bangladesh   [LinkedIn]
                                                                                                          [Github]

Seeking a Ph.D. position in Computer Science with opportunities to utilize my knowledge, experience and skills

Education: BSc in Computer Science and Engineering,   (Jan'19-Dec'22)
Daffodil International University, Bangladesh   (CGPA: 3.75/4.00)

Research Interest:

- Machine Learning
- Artificial Intelligence
- Computer Vision

- Deep Learning
- Natural Language Processing
- Data Analytics

Experiences:

- Teaching Assistant (TA), Daffodil International University, Bangladesh   (Spring'21-Fall'22)
  Helped students understand the topics and assisted the professor in conducting the
  Machine and Data Mining Lab , Research and Innovation, Bangladesh Studies course classes
- Research Associate (RA) at Daffodil International University NLP & ML   (Jan'23-Dec'23)
  Research Lab, Bangladesh
- Junior Researcher at Daffodil International University NLP & ML Research Lab, Bangladesh   (Jan'21-Dec'22)

Publications:

Title: "Application of Computer Vision and Mobile Systems in Education: A Systematic Review"   Jan'24

Title: A STUDY REVIEW OF MACHINE LEARNING IN AGRICULTURE: APPLICATIONS AND   Feb'24
TECHNIQUES

Title: Depression Detection in Modern Life Using Machine Learning Algorithms - under review

Title: Predictive analysis on vaccine coverage for Bangladeshi children using machine learning regression model:
Trends, gaps and future insight - under review

Professional Experience: Junior Executive, SSG Global ERP and Digitalization department,   (Jan'23-Jul'23)
At Seven Circle (Bangladesh) Limited | Worked on Report Development using SQL on Oracle EBS

Skills:

- Programming Languages: Python, C, R
- Libraries: Scikit-learn, TensorFlow, Keras, Pandas,
  NumPy, Matplotlib, Seaborn

- Front-end Engineering: Html, CSS, Bootstrap,
  WordPress
- Back-end Engineering: SQL

Thesis and Projects:

- Thesis topic: Context based Bangla question-answering system
- MLA Solver, web application to solve Machine Learning algorithmic problem
  Technology: C++, Html, CSS, JavaScript
- Virtual Assistant Web application
  Technology: Python, pyttsx3, Speech Recognition: Speech Recognition, pywhatkit, pyjokes, Openweathermap API
- Real Estate Price Prediction – Machine Learning and Data Science Web Project
  Technology: Python, Sklearn, Pandas, NumPy, Matplotlib, Flask

- Image Classification - Machine Learning and Data Science Web Project
  Technology: Python, NumPy, Sklearn, Skimage, Matplotlib, ngrok,streamLit
- Spotify Analyzer
  Technology: Python, Pandas, Seaborn, Matplotlib
- WayTowardsHeaven, Islamic web application
  Technology: Html, CSS, JavaScript
- NightPrayer-Tahajjud, Computer Graphics Project
  Technology: C++, OpenGL

Workshops/Training:

- Introduction to Probability and Data for R 2024 | Organized by Duke University
- Data Analytics with R Bootcamp, 2024 | organized by Interactive Cares, Bangladesh
- Machine Learning Bootcamp 2021 | Organized by Daffodil International University NLP & ML Research Lab, Bangladesh

Problem Solving:

- Beecrowd (Uri): 100+

- LeetCode: SQL problems

- Participated regularly on Kaggle online Data Science Contests

- Represented DIU in National Girls Programming Contest, Bangladesh | Final round, 2019

- Participated in ICPC Asia Dhaka Regional, Bangladesh | Preliminary round, 2019

- Participated in DIU Takeoff Programming Contest, Bangladesh, 2019

- Participated in DIU Intersection Programming Contest, Bangladesh, 2019

Extra-Curricular Activities: Information and Technology Executive of Daffodil Prothom Alo Bondhushava, Bangladesh
Volunteered at social and cultural activities   (Jan'20-Dec'21)

IELTS: 6.5 (L-6.5, R-6, W-6.5, S-6.5)