

## Rubaiya Tasnim Sholi

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[\[Portfolio\]](#)

[\[Github\]](#)

[\[Linkedin\]](#)

### Education:

- **BSC in Computer Science and Engineering** CGPA: **3.75/4.00**  
Daffodil International University (Jan'19-Dec'22)
- HSC in Science | Dhaka City College, Bangladesh GPA: **5.00 /5.00** '2018
- SSC in Science | Pabna Govt. Girls' High School, Pabna, Bangladesh GPA: **5.00 /5.00** '2016

### Skills:

- **Programming Languages:** Python, C, PHP, Javascript
- **Libraries:** Scikit-learn, PyTorch, Tensorflow, Keras, Pandas, NumPy, OpenCV, Matplotlib, Seaborn
- **Front-end Engineering:** Html, CSS, Bootstrap, Wordpress
- **Back-end Engineering:** Flask, MySQL, MongoDB
- **Miscellaneous:** PowerBI, Tableau, Git, Docker, Linux, LATEX, Excel

### Experiences:

- **Teaching Assistant**, Daffodil International University (April'22-June'22)  
I worked as a Teaching Assistant in **Machine Learning and Data Mining** Lab Course. Helped the students to understand the topics and also helped the teacher in conducting the classes efficiently.
- **Researcher** at [DIU NLP Lab and ML Research Lab](#) (Jan'21-Dec'22)
- **Information and Technology Executive** of [Daffodil Prothom Alo Bondhushava](#) (Jan'20-Dec'21)

### Publications:

- Journal Paper accepted on "Bulletin of Electrical Engineering and Informatics" August'22  
Title: "**Application and aspects of computer vision in education**"
- Journal Paper accepted on "Bulletin of Electrical Engineering and Informatics" August'22  
Title: "**Machine Learning in Education: A Systematic Review**"

### Projects:

- **MLA Solver**, web application to solve Machine Learning algorithmic problem  
**Technology:** C++, Html, CSS, Javascript
- **Virtual Assistant Web application**  
**Technology:** Python, pyttsx3, SpeechRecognition: Speech Recognition, pywhatkit, pyjokes, Wikipedia, Openweatherapi API
- **Real State Price Prediction** – Machine Learning and Data Science Web Project  
**Technology:** Python, Sklearn, Pandas, Numpy, Matplotlib, Flask, AWS
- **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

- **Covid-19 Guide**, Android application  
**Technology:** Java, JDK18, Android Google API 23, SQLite Database, JSON
- **NightPrayer-Tahajjud**, Computer Graphics Project  
**Technology:** C++, OpenGL

**Workshops/Training:**

- Machine Learning Bootcamp, 2021 | organized by DIU NLP and ML Research Lab
- Professional Web Design, 2019 | ITsors Training Institute

**Problem Solving:**

- [Beecrowd \(Uri\): 100+](#)
- [LeetCode: SQL problems](#)
- Participated regularly on Kaggle online Data Science Contests
- Represented DIU in National Girls Programming Contest | Final round, 2019
- Participated in ICPC Asia Dhaka Regional | Preliminary round, 2019
- Participated in DIU Takeoff Programming Contest, 2019
- Participated in DIU Intersection Programming Contest, 2019