

Tasfik Rahman

Computer Science Undergraduate

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EXPERIENCE

Mentor at MCC

MIST Computer Club

📅 March 2019 - Present

- Took programming Classes on C, C++ over **100+** students.
- Actively involved in academic research projects, as a member of the MCC R&D team.

Database Intern

Trust Bank Ltd. (IT Division), Shadhinota Tower

📅 Dec 2019 - Jan 2020

- Did my internship in Database Management System under the supervision of Mir Mezbah Uddin, Senior Database Administrator

PROJECTS

Maternal Health and Child Support System

[Github](#) | [Live](#) | [Paper](#)

- Collected ground data from **30+** families. This is a system for recording maternal health and providing them health advice during their perinatal period.
- **Oracle SQL** Database is used to store and make query from the data.
- Server was built with **nodejs** and **express**, with a HTML5, CSS3, Bootstrap frontend.

Bank Transaction Minimization Visualizer

[Github](#) | [Live](#)

- Bank Transaction Minimization, $T = O(n \log n)$
- Implemented with **Split Wise Algorithm**
- The UI made with HTML5, CSS3, JS

COVID19 Prediction Using CNN

[Github](#) | [Google Colab](#)

- Covid19 +ve data fetched from this [repo](#) & -ve data from this [kaggle dataset](#). My [merged dataset](#)
- The network consisted of **5 CNN** layers, **4 max pool** layers, and 4 dropout layers. Which gives **95%** accuracy
- **WebApp** backend developed with **flask** framework

See What NASA Saw Today

[Github](#) | [Live](#)

- Pictures Fetched from NASA [APOD](#) API
- The UI made with **React**, **React Router**, CSS3, JS

El-Disinfecto, UVC Disinfection Robot

[Github](#) | [Live](#)

- Autonomous Movement using Sonar Sensors.
- Remote Access from anywhere in the world with **Raspberry pi** and **firebase** integration.
- The UI of the remote is implemented with **reactjs** as a **web app**.

EDUCATION

Bachelor of Science, CSE

Military Institute of Science & Technology, (MIST)

📅 Feb 2017 - Present **CGPA: 3.52/4.00**

UNDERGRAD THESIS

🎓 Deep Convolutional Neural Network Based Biometric System Using Retinal Blood Vessel Segmentation

ONLINE PROFILES



CodeChef



GeeksForGeeks



Hackerrank



Codeforces

ACHIEVEMENTS

- CodeChef November **COOK-OFF 2020** [🔗](#)

Country Rank : **20**

Global Rank : **336**

- **3rd** place in Facebook Hackathon 2020, among **2729** participants across the globe [🔗](#)

- Successfully **4 PRs** accepted & merged in **Hacktoberfest 2020** [🔗](#)

- Microsoft AI Gaming Code A Bot Bangladesh, **Semi-finalist** [🔗](#)

- Paper published at **5th IEEE International WIE Conference** on Electrical and Computer Engineering, Bangalore, India, Oct 2019 [🔗](#)

- **Top 10** in Code Samurai Hackathon 2019, BIIT [🔗](#)

TECHNICAL SKILLS

Programming

C, C++, Python, JavaScript, Java

Frameworks

React, Express, Git, Tensorflow

Databases

MongoDB, Firebase, Oracle, MySQL

Web Development

MERN Stack, HTML5, CSS3, JavaScript, Node

SOFT SKILLS

Team Work, Leadership, Decision Making, Ability to Work Under Pressure, Time Management, Adaptability, Innovative