Tasfik Rahman
Computer Science Undergraduate

✉ tasfikrahman007@gmail.com | 📞 +880-1845630022 | 🔗 linkedin.com/in/tasfik007 | 🐙 github.com/tasfik007

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 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(nlogn)**
- 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.
- UI 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

Thesis Supervisor : **Md. Hasanul Kabir**, Ph.D.
Professor, Department of Computer Science and Engineering (CSE), Islamic University of Technology (IUT)

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, BJIT 🔗

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