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Education

Bangladesh University of Engineering and Technology

B.Sc. in Computer Science and Engineering

February 2016 - Present

Notre Dame College, Dhaka

Higher Secondary School Certificate

2015

St. Joseph Higher Secondary School, Dhaka

Secondary School Certificate

2013

Skills

Languages: C++, Java, Python, SQL, working knowledge in JavaScript and Dart

Frameworks and Libraries: PyTorch, TensorFlow, Keras, Numpy, Pandas, Flutter, NodeJS

Extracurricular Courses: Completed Deep Learning Specialization course offered by Coursera

Version Control: git

Projects

Classification of Warnings Raised by Static Analysis Tools

We have used handcrafted metrics and information about source code and applied many State-of-the-Art tree classifiers such as XGBoost, LightGBM on them. We have also applied LSTM, Linear Regression, Decision Tree, SVM classifiers. Results from these different models led us to our decision.

[Vasha-Sikkha](#)

Users can immerse themselves in numerous games and learn the English language. The gaming experience adds fun to the language learning process.

[Covid Management](#)

This web application bridges the gap between any person in need of relief and organizations that conduct relief works. The system also helps to centrally manage the workload distribution among these organizations. This is a work in progress.

[Tour Planner](#)

This is a database project that makes a tentative itinerary for a tourist, based on his/her budget.

TCP Session Hijacking

A project that launches a session hijacking attack on an ongoing TCP session.

Achievements

IEEE VIP Cup 2020: Participated in this competition. The challenge was about real-time vehicle detection and tracking at junctions using a fisheye camera.

Asia Dhaka Regional Site Online Preliminary Contest 2017: Our team ranked [137th](#)

Google Hash Code Online Qualification Round 2020: Our team ranked 3108th

Google Kick Start Round G 2020: 3529th place

COVID-19 Idea Contest organized by IEEE Computer Society BUET Student Branch Chapter: Winner

Google Foobar Challenge: Currently on level 4

Codeforces Profile: <http://codeforces.com/profile/GlitchBox>

LeetCode Profile: <https://leetcode.com/glitchbox29/>

Research Works

Static Detection of Malicious Code in Programs Using Semantic Techniques

I am working on this research project under the supervision of Professor Dr. Muhammad Masroor Ali.

Real-time violence detection from videos

I am working on this research project under the supervision of Professor Dr. Mohammad Saifur Rahman.

References

Dr. Muhammad Masroor Ali

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