

Samsun Nahar

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Education

2015 – 2019	B.Sc in Computer Science & Engineering Institute: United International University (UIU) Cgpa: 3.11 out of 4.00
2014	Higher Secondary Certificate (HSC) Institute: Motijheel Model High School And College GPA: 4.60 out of 5.00 Board: Dhaka
2012	Secondary School Certificate (SSC) Institute: Silverdale Preparatory And Girl's High School GPA: 4.75 out of 5.00 Board: Dhaka

Skills

- **Languages:** C/C++, Java, Python
- **Mobile Application:** Android
- **Web:** PHP, JavaScript, CSS , Bootstraps , MySQL, Oracle
- **Scripting:** Bash, HTML
- **OS:** Windows , Linux
- **IDE:** Code::Blocks, Microsoft Visual Studio, NetBeans , Eclipse, Android Studio , Visual Code, Sublime, notepad++, Proteus 8 Professional, Logisim, Arduino, Microsoft Office (Power Point, Word , Excel).
- **Others:** moqups.com, proto.io, creately.com

Projects

- **Towards IoT and ML Driven Cardiac Status Prediction System**
In this paper, we propose an IoT and Machine Learning derived cardiac status prediction method that can collect necessary data from human body using IoT devices (sensors) and transfer those data to the cloud where the data are stored with user authentication.
- **Travel Mate**
Find travel mates and make groups based on some interest in places.
Developed in PHP, MySQL, JavaScript
- **BoiKhuji**
A platform for selling and buying new and used books. Can also rent old books.
Developed in PHP, MySQL, JavaScript
Website link: boikhuji.xyz
- **kajLagbe**
A service provider provides service and service receiver take service based on daily life.
Developed in PHP, MySQL, JavaScript
- **Course Evaluation System**
Give combinations of the courses based on semester and course credit.
Developed in Java

- **CV maker**
It can generate CV into MS word file.
Developed in Java
- **ShutAuto**
Auto shutdown of computer system after a certain time given by the user.
Developed in Java
- **Currency Converter**
Developed an Android app which convert BDT to international currency.
- **Tic Tac Toe**
Developed an Android game which has two users/players.
- **FM Transmitter Circuit**
In this project, we have implemented a low power transmitter transmitted FM waves to sound, this transmitter transmits the audio signals through the carrier wave by the difference of frequency. The carrier wave frequency is equivalent to the audio signal of the amplitude and the FM transmitter produce VHF band between 88 to 108mhz.
- **IoT Based Traffic Congestion Control and Monitoring**
Implemented an autonomous traffic management system, which will detect the amount of traffic in the roads of an intersection and will decide how to maintain it for the path with the help of IoT devices and sensors.

Extracurricular activity

- **Codeforces** (codeforces.com/profile/Samon)
- **URI** (urionlinejudge.com.br/judge/en/profile/110875)
- **HackerRank** (hackerrank.com/Samsun_Nahar?hr_r=1)
- Member of **UIU App Forum**.

Publications

- I. Akash, S. Tabassum, S. Ullah, A. Rahman, **S. Nahar**, and A. Islam, "Towards iot and ml driven cardiac status prediction system," 2019. **To be appeared** in 1st International Conference on Advances in Science, Engineering and Robotics Technology (**ICASERT**), Dhaka, Bangladesh, 2019.

Achievements

- In **Internet of Things(IoT) Project Exhibition, 2018**
Achieved **1st** position on **IoT Based Traffic Congestion Control and Monitoring** project.
- In **Electronic Project Show, 2016**
Achieved **2nd** position on **FM Transmitter Circuit** project.

References

Dr. Md. Syedur Rahman
MBBS, BCS(Health)
MS-Orthopedics(Course)
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& Orthopedic (NITOR)
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