AVISHEK PAUL

@ paulavishek222@gmail.com   ☎ +8801795582218   ○ https://github.com/AvishekPaul   in https://www.linkedin.com/in/avishek-paul-348434143/
⚲ Dhaka, Bangladesh

EXPERIENCES

Freelance Software Engineer

📅 March 2019 - Present

- Developed multiple online applications, business software, institutional software for different clients.

ANALYTICAL PROBLEM SOLVING & CONTESTS

- **Participated in Intra RUET Programming Contest- Gyanjam** (2018, 2019)
- **Participated in ACM-ICPC** preliminary contest in Rajshahi Region-2019.
- **Codeforces** Problem Solving.

EDUCATION

B.Sc. in Computer Science & Engineering

Rajshahi University of Engineering & Technology, Bangladesh

📅 2016 – 2021

- CGPA: 3.33 out of 4.00

Higher Secondary Certificate (H.S.C.)

Mirzapur Cadet College, Tangail, Bangladesh

📅 2015

- GPA: 5.00 out of 5.00

Secondary School Certificate (S.S.C.)

Mirzapur Cadet College, Tangail, Bangladesh

📅 2013

- GPA: 5.00 out of 5.00

SKILLS

Python, C, C++, JavaScript, MySQL	●●●●●
Presentation, Public Speaking, Leadership	●●●●●
Pandas, Numpy, Matplotlib, Django, Tensorflow	●●●●○
Machine Learning, Deep Learning	●●●●○
Security, Controller Area Network	●●●●○
Heroku, Git, Excel	●●●○○
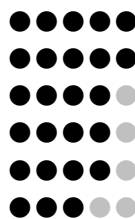
CERTIFICATIONS, HONORS AND AWARDS

- **Power and Energy Hackathon 2017**
- **Dream Orange 2017 organized by UNYSA Bangladesh-Rajshahi Divisional Wing**
- **Advanced Mobile Game Development by ICT Division**
- **Mobile Game Graphic Design by ICT Division**
- **General grade scholarship in HSC examination 2015 from Dhaka board (2016-2020)**
- **Talent pool scholarship in SSC examination 2013 from Dhaka board (2014-2015)**
- **Talent pool scholarship in JSC examination 2010 from Dhaka board.**

KEY PROJECTS

Implementing Different Intrusion Detection Systems in CAN bus in Vehicles

- This project is based on my thesis work in which the main objective was to build an intrusion detection technique to detect unwanted messages to stop them. I implemented several research papers on existing techniques and also developed a technique based on Artificial Neural Network.

University Admission Result Compilation Software

- This software is built to compile the Admission Test Result of RUET. The user needs to provide necessary data (subject marks, student info etc.) in CSV format and the software will compile and provide results in CSV format. The software is built with Python and mySQL mainly. (Link)

University Online Registration System

- This project was made for online registration in the examinations of RUET. The user needs to fill the registration form with unique ID and password and then needs to provide necessary information. After that, data will be saved in the Database and students will be registered for the examination. It is built with Python-Django, HTML, CSS, JavaScript, SQLite. (Link)

Android Games with Unity Game Engine

- This was an Android game development project made with Unity Game Engine. I made two simple games(Snake and Space shooter) which are suitable specially for children (Link)

PUBLICATIONS

- **An Artificial Neural Network Based Anomaly Detection Method in CAN Bus Messages in Vehicles** (Link)
  - Authors: **Avishek Paul**, Md. Rabiul Islam
  - Submitted in ACMI 2021.

LANGUAGES

- **Bengali** (Native)
- **English** (Fluent)
- **Hindi** (Fluent)

REFERENCES

Barshon Sen

Assistant Professor,
Department of Computer Science & Engineering,
Rajshahi University of Engineering & Technology (RUET)
Email: barshon.sen@cse.ruet.ac.bd