

SARWAR SAIF

DATE OF BIRTH: 16th January, 1997

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PERSONAL PROFILE

A creative, data-driven and self-motivated software engineer and always passionate about learning cutting-edge technologies and solving real-world problems with proficient marketing and communication skills.

EDUCATION

- JULY 2019 **Bachelor of Science in COMPUTER SCIENCE AND ENGINEERING**
Ahsanullah University of Science and Technology, Dhaka
C.G.P.A: 3.497 out of 4.00
COURSEWORK INCLUDED : Artificial Intelligence, Pattern Recognition, Digital Image Processing, Computer Graphics
- JULY 2014 **Higher Secondary School Certificate**
Dhaka City College, Dhaka
G.P.A : 5.00 out of 5.00 in all subjects from Science division
- MAY 2012 **Secondary School Certificate**
Bangladesh Bank Adarsha Uchcha Bidyalay, Dhaka
G.P.A : 5.00 out of 5.00 in all subjects from Science division

SKILLS

Programming and Scripting Languages: Python, C++, Java, PHP, JavaScript, VISUAL.NET (C), HTML5, CSS, ASSEMBLY, SQL, PL/SQL.

IDE: MICROSOFT VISUAL STUDIO, CODEBLOCKS, JETBRAINS PYCHARM, NETBEANS, SPYDER, VS CODE, ANDROID STUDIO, SUBLIME TEXT.

Application Programs: MS OFFICE 2013, ORACLE, LATEX, PROTEUS, POSTMAN, ADOBE PHOTOSHOP, ADOBE AFTER EFFECTS.

Frameworks: BOOTSTRAP, ASP.NET MVC

Database: ORACLE 11G, MYSQL, SQLITE, SQL SERVER

Networking: NETWORK SIMULATOR (CISCO PACKET TRACER).

Operating Systems: WINDOWS, UBUNTU

Language: ENGLISH

PROJECT WORKS

1. **Bleach (Game) :** (Platform: Windows, Language: C++, Software: Visual Studio 2013)
2. **Jetpack Jumper (Game) :** (Platform: Windows, Language: Java, Software: Eclipse)
3. **U-tils (App) :** (Platform: Android, Language: Java, Software: Android Studio)
4. **Food Freaks BD (Website) :** (Platform: Website, Language: PHP, MYSQL, JavaScript, Software: Sublime Text, XAMPP)
5. **Online Makeup Shop (Website) :** (Platform: Website, Language: PHP, MySQL, JavaScript, Software: Sublime Text, XAMPP)
6. **Custom LMS (Learning Management System) :** (Platform: Windows, Language: C ASP.Net, Framework: ASP.Net MVC, Software: Visual Studio 2015)
7. **Hotel Management System (Desktop App) :** (Platform: Windows, Language: Java, Software: Netbeans)
8. **Line Follower Robot: (Hardware Implementation) :** (Participated in Engenius18)
9. **Multi-Location Hotel Management System :** (Platform: Windows, Language: PL/SQL, Software: Oracle SQL Developer, Oracle Database Server 11g)
10. **Pathshala (Mobile App) :** (Platform: Android, Language: Java, Firebase, Software: Android Studio)
11. **EM-Health 24/7 (Mobile App) :** (Platform: Android, Language: Java, SQLite, Software: Android Studio) (2nd in Hackathon at BUP ICT FEST 2018)
12. **Pregnancy Health Care (Mobile App) :** (Platform: Android, Language: Java, MySQL, PHP, API: Retrofit2, Google Map, Software: Android Studio, Postman, Visual Studio Code, XAMPP) (Top 5 in DIU App Contest 2017)
13. **Student Management Software Using Tkinter, PyQt5 and Pickle (Desktop App) :** (Platform: Windows, Language: Python, Software: Spyder)
14. **Tract-Segmentation-Visualizer (Desktop App) :** (Platform: Windows, Language: Python, Software: VS Code)

15. **Multi-client Sentimental ChatBot** (Desktop App) : (Platform: Windows, Language: Java, Software: NetBeans IDE 8.0.2, Apache Maven Libraries: Alice AIMA, Stanford CoreNLP, FreeTTS)
16. **Detection of Vessels using Line Tracking Algorithm** (Desktop App) : (Platform: Windows, Language: MATLAB, Graphical user interface: MATLAB GUIDE)

Projects GitHub Link: <https://github.com/SarwarSaif?tab=repositories>

B.SC. IN THESIS

Worked on “Automatic Human Brain Segmentation Using Machine Learning Techniques” under the supervision of **Dr. Nusrat Sharmin**, Assistant Professor, Department of Computer Science Engineering, AUST.

Accepted conference paper on **One-Class SVM for Human Brain Segmentation** in *22nd International Conference on Computer and Information Technology (ICCIT)*, 18-20 December 2019

CO-CURRICULAR ACTIVITIES

Pioneer Alpha Ltd.

CO-FOUNDER, JULY 2019 - PRESENT

AUST Innovation and Design Club

VICE-PRESIDENT, JANUARY 2019 - PRESENT

EXECUTIVE COMMITTEE MEMBER, SEPTEMBER 2017 - DECEMBER 2018

Organized in Fall 2017 - Spring 2018

- Workshop on Python by AUST Faculty, Line Following Robot in association with AUST CSE Society, SolidWorks Season 1, SolidWorks Season 2, Graphic Designing.
- Seminar on Humanoid Robot, Higher Studies in USA: AUSTian's Journey.

Instructed

- Workshop on Line Following Robot, Graphic Designing.

CodeWare'18

Organizer and Roborace Coordinator

MindSparks'19

Organizer and Event Coordinator

ACHIEVEMENTS

1. Top 9 at GP Pre-Accelerator: Batch-6 on 2019.
2. First Runner-Up at BUP ICT FEST (Hackathon) on 2018.
3. Second Runner-Up at BUP ICT FEST (IT Business Idea Competition) on 2018.
4. In Top 5 at DIU APP CONTEST (Hackathon) on 2017.
5. In Top 5 at IUT ICT FEST (Hackathon) on 2017.
6. Participated at Intra Aust Programming Contest 2017-18.

ADDITIONAL SKILLS

1. **Graphics and Digital Media Designer:** Graphic Designing, Video Editing, Motion Graphics.
2. **Experienced with embedded systems design** using the **Arduino programming** environment.

HOBBIES AND INTERESTS

Drawing and Graphics Designing | Voluntary works | Like to watch Japanese anime in leisure.

REFERENCES

Dr. Nusrat Sharmin

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Computer Science and Engineering Department

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