

Oishee Bintey Hoque

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PROFILE

I am a passionate programmer and web developer. I demonstrate myself as a quick learner while working in multiple platforms. I am pretty much efficient at teamwork and I bring with me, my strong passion for technology, strong learning capability and I always focus on continuous improvement of my skills.

EDUCATIONAL QUALIFICATIONS

2015-2019 **B.Sc. (Hons), Ahsanullah University of Science and Technology** in Computer Science and Engineering. Cumulative GPA: 3.79/4.00

2012-2014 **Higher Secondary Certificate (HSC), Holy Cross College.** GPA.: 5.00/5.00

2002 -2012 **Secondary School Certificate (SSC), Viqarunnisa Noon School & College.** GPA: 5.00/5.00

PROBLEM SOLVING SKILLS

Solved more than 500 offline problems based on different logics and algorithms in different online judges.

Online Judge Handles:

UVA - Oishee30 | **Codeforces** - bintu3003 | **LightOJ** - Oishee30 | **SPOJ** - bintu3003

SKILLS

CORE COMPETENCIES

C	Matlab
C++	JAVA
C#	GIT
Python	TensorFlow
HTML & CSS	PyTorch
MySQL, PL/SQL	OpenCV

ADDITIONAL SKILLS

Machine Learning
Android
Firebase (Cloud Database)
PHP
Prolog
WebGL

PROGRAMMING CONTESTS

2016-JAN **11th Position**, NATIONAL GIRLS PROGRAMMING CONTEST-2016
Team Name: Chasing Failure

2017-MAY **16th Position**, NATIONAL GIRLS PROGRAMMING CONTEST-2017
Team Name: Chasing Failure

2017-NOV **64th Position**, ACM ICPC DHAKA REGIONAL 2017
Team Name: code_geass

2018-NOV **99th Position**, ACM ICPC DHAKA REGIONAL 2018
Team Name: Chasing Failure

2016-AUG **5th Position**, INTRA AUST PROGRAMMING CONTEST-Spring 2016
Team Name: Chasing Failure

2017-DEC **6th Position**, INTRA AUST PROGRAMMING CONTEST- Fall 2017
Team Name: Chasing Failure

2016-JAN **11th Position**, NATIONAL GIRLS PROGRAMMING CONTEST-2016
Team Name: Chasing Failure

ACADEMIC PROJECTS

DEC-FEB 2015	WAR OF SPACESHIP Desktop based shooting game. Enemy spaceships come and shoot bullet continuously with variation of speed at every level. Last level includes giant spaceship, with more power, which must be destroyed to finish that level. User spaceship has different powerups collection features, with unlimited shooting bullets, limited power bullets and right, left, up and down movement option. Tools Used: Visual Studio 2010, iGraphics, C
MAY-JUN 2016	SUP Desktop based server-client chat application with file sharing option. One server can connect with multiple client account. Server can see who is online currently. Manual emoticons sharing option. Tools Used: Java, Netbeans
AUG-SEPT 2016	BAZINGA Website for movies with latest movie information, trailer, user rating option, user profile, user's own movie wishlist & watchlist, search and sorting with different categories, rating, name etc. Tools Used: HTML, PHP, MySQL, WAMP
JAN-MAR 2017	CINEFREAK Movie Listing Based Android App with user rating option, user profile, user's own movie wishlist & watchlist, movie count in the list, sorted by different category. Tools Used: Android Studio, XML, Java, SQLite
JUN-AUG 2017	SHOPEXPERT E-commerce based website. Users are categorized as Admin, Customer & Page Owner. Proper Sign in, Sign up validation. Admin has access to all the features, all pages are categorized under their selected category by the owner, product information can be added, number of used visited a specific page is visible to page owner with other advertisement option. User can search pages by category and product name, see all the pages, offers. Tools Used: Visual Studio 2017, MVC, ASP.NET, C#
JAN-MAR 2018	ROBO MOS FACE RECOGNIZING MESSENGER Server-client based face recognition and communication System. Face recognition process occurs at Raspberry Pi, the server by taking the continuous video streaming from client computer and sends the result back to the client computer. Tools Used: Raspberry Pi, Python2, OpenCV, Pi Cam
OCT-NOV 2018	SUPER-SHOP MANAGEMENT SYSTEM Distributed Database Management Project. Tools Used: Oracle 10g, PL/SQL
MAR-APR 2019	PUZZLE GAME WITH A STAR ALGORITHM This game is implemented using WebGL and JavaScript. In this game user can shuffle pictures and play the game to fix the picture, user can ask for suggestion and the system will give hints using A star algorithm with the best possible move. Tools Used: WebGL, JavaScript
MAR-APR 2019	E-COMMERCE WEBSITE WITH JAVA SERVLET AND RMI E-commerce based website. Users are categorized as Admin, Customer & Page Owner. Proper Sign in, Sign up validation. Admin has access to all the features. User add their products to cart or favorite list. The motivation of this project was to apply Servlet and RMI. Tools Used: Java, Servlet, RMI, Bootstrap, Oracle 10g
MAR-APR 2019	PERSONALITY-ANALYSIS-USING-VARIOUS-FEATURE-SCALING-ON-DATASET It's a human behavior analysis project using the data collected from our department. In this paper, we have tried to analyze what type of attributes make a person impatient and envy of others. Tools Used: Python and Data Analysis Libraries (NumPy, Panda, Matplotlib, Scikitlearn, TensorFlow, Keras)

MAR-APR 2019 **EFFICIENT NOISE REDUCTION SYSTEM WITH DATASET**
In this project, user can add noise - Salt Pepper Noise, Gaussian Noise and Speckle Noise – and apply filters Wiener Filter, Median Filter, Gaussian Filter by varying the parameters.
Tools Used: Matlab

RESEARCH & PUBLICATIONS

SEPT-DEC 2018 **REAL-TIME BANGLADESHI SIGN LANGUAGE DETECTION USING FASTER R-CNN**
Accepted as a Full Paper in ICIET 2018.
This is a real-time system which detects sign from a video and classifies the sign in the video. This falls under the domain of image classification. For the purpose of this project, a dataset has been generated by us. This system is implemented using deep learning approaches.
Tools Used: Python, TensorFlow, Faster R-CNN
Paper Link: <https://arxiv.org/abs/1811.12813>
Dataset Link: <https://github.com/imruljubair/BdSLImset>

JAN-JUL 2019 **BANGLADESHI SIGN WORD RECOGNITION USING LSTM**
This is a system which detects sign words, sequence of actions, from a video. This works with sequential data and falls under the domain of action recognition. For the purpose of this project, a dataset has been generated by us. This system is implemented using deep learning approaches.
Tools Used: Python, TensorFlow, CNN, LSTM
Dataset Link: <https://github.com/anno23/Dataset2>

CO-CURRICULAR ACTIVITIES & OTHER INVOLVEMENTS

2018-JUN **AUST CSE WEEK - 2018**
One of the main Organizing members; Anchor at the prize giving ceremony.

JUN 2016- Present **JAAGO FOUNDATION**
Sponsor Parent of a child.

ADDITIONAL INFORMATION

LANGUAGES English | Full Professional Proficiency
Bengali | Full Professional Proficiency
Japanese | Limited Working Proficiency
Hindi | Full Professional Proficiency (Speaking and Listening)

INTERESTS Programming, Event Organizing, Traveling, Social Work

REFERENCES

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