

Sathy Akter

Software Engineer



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github.com/sathy77



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Objective

My objective is very simple. I have a solid understanding of functional and object-oriented programming and relational databases. I want to build a good and successful career in research and development. I want to increase my knowledge of my creative skills.

I want to work in a company where I can utilize myself and improve my career and where my talents will be used appropriately.

Languages

- ✓ Bangla
- ✓ English

Personal Skills

- ❖ Communication
- ❖ Friendly
- ❖ Leadership
- ❖ Self-Motivated
- ❖ Quick Learner
- ❖ Decision Making
- ❖ Problem Solving Ability
- ❖ Team work
- ❖ Work under pressure
- ❖ Can Think Out of Box

Profile

Currently I am working at API Solutions Ltd as Software Engineer. I am Python Developer & specially am a django expert which is a python based famous framework.

I also teach English-medium students, covering subjects such as mathematics, additional mathematics, pure mathematics, physics, and computer science.

Educational Background

Bachelor of Science in Computer Science & Engineering (B.Sc. Eng.)

University of Asia Pacific.

April 2018 - April 2022

CGPA: 3.57/4.00

Higher Secondary Certificate (HSC)

Central Women's College

July 2015 - March 2017

Dhaka, Board

GPA: 4.50/5.00

Secondary School Certificate (SSC)

Banglabazar Govt Girls' High School

January 2010 - February 2015

Dhaka, Board

GPA: 4.67/5.00

Technical Strengths

- **Programming Languages:** C, C++, Python, Java, JavaScript, Laravel and Assembly Language.
- **Framework:** Django (Python), Vue.js, Nuxt.js, Vuetify and Unreal Engine (Game)
- **Database:** MySQL, PostgreSQL
- **Web Scrape:** Scrapy (Framework-Python)
- **Skills:** Graph theorem, Data-structure and algorithms, Image Processing, Machine Learning, Arduino.

Other Skills

- ❖ Have the skills in business and correspondence as well as writing report
- ❖ Strong Analytical and Interpersonal skills
- ❖ Team player and leadership skills, keen to take responsibility
- ❖ Ability to pick new ideas and Leadership
- ❖ Well Presentation skill

Activity in ICPC, NCPC and in University

- ❖ Participated in ICPC and went to the 2th round as a female team – (2018)
- ❖ Participated in NCPC once in NCPC
- ❖ Acquired 4th position in UAP Inter Department Programming Contest (Junior) – 2018
- ❖ Participated in UAP Software and Hardware carnival – 2019
- ❖ Acquired 3th Position in INWED Contest organized by IEEE – 2019
- ❖ **Champion** of Intra Department Art Exhibition, 2022
- ❖ Acquired a position in UAP Inter Department Programming Contest (Senior) – 2022

Projects

One way Linklist (c): [https://github.com/Sathy77/Data-Structure-Using-C/blob/main/One%20way%20linkedlist%20\(Search%20function\).c](https://github.com/Sathy77/Data-Structure-Using-C/blob/main/One%20way%20linkedlist%20(Search%20function).c)

Tow way Linklist (c): <https://github.com/Sathy77/Data-Structure-Using-C.git>

Linear and Multilinear regression (p): <https://github.com/Sathy77/Machine-Learning.git>

Binary Search, Binary Tree use Linked list, BFS (c): <https://github.com/Sathy77/Data-Structure-Using-C.git>

Binary Tree, Bicoloring graph use BFS, BFS (cpp): <https://github.com/Sathy77/Data-Structure-Using-CPP.git>

Face Recognition (Python): It's also a group project. We setup this code in Raspberry Pi. Picture capture by Raspberry Pi Camera module. My part was to code face recognition through Python.

Here is code file: <https://github.com/Sathy77/FaceRecognition-Project.py.git>

Hide Information in Image (Django): <https://github.com/Sathy77/InformationHidderProject.git>

Tictactoe (Java): <https://github.com/Sathy77/JavaProjectTictactoe.git>

Pattern (Assembly): <https://github.com/Sathy77/Assembly-language/tree/master/Pattern>

8 bit number input, prime checker, Fibonacci etc (**Assembly**):

<https://github.com/Sathy77/Assembly-language.git>

SLON Game (Unreal engine - Blueprint): It is a small portion of an RPG game. There we setup two character (one is main character and another one is boss) and a level. we also setup a fully functional inventory system (health, manna and stamina). It is a team work , my part was making environment (graphics) and storyline.

Here is our game's demo video link: <https://drive.google.com/drive/folders/17okyH-QXONBthy6-H3KUzIEOvGyzK0mQ?usp=sharing>

Here is code file:

https://drive.google.com/drive/folders/1UTjj6_gKoS2xQLXi8J9yfg1sb2P3UbTZ?usp=sharing

Smart Lock (arduino): This lock can protect your cycle from being stolen. If someone cut the lock then it will call the owner. In this project I have added two working state and those are lock state and unlock state. If it's in lock state and someone tries to cut the lock then it will call owner. On the other hand, if the lock is in unlock state, then it won't.

Academic Achievement

- **Champion of Intra Department Art Exhibition, 2022**
- **Acquired 4th position in UAP Inter Department Programming Contest (Junior) – 2018**
- **Got VC Award two times and Dean Award two times.**
- **Waiver got in five semesters**

Fields in interested

- ❖ Software and Hardware
- ❖ Research Work
- ❖ Dynamic Programming
- ❖ Machine Learning
- ❖ Image Processing

Activity in Online Judge

UVA - Username: sathy754

Online Judge ID: 1016638

beecrowd -

<https://www.beecrowd.com.br/judge/en/profile/258538>

Personal Information

Name: Sathy Akter

Date of Birth: 06-06-1999

Place of Birth: Madaripur

Father's Name: Md. Nurul Islam Molla

Mother's Name: Nargis

Nationality: Bangladeshi

Gender: Female

Height: 5'2"

Marital Status: Unmarried

Religion: Islam

Blood Group: B+

Hobbies

- ❖ Travelling
- ❖ Cooking
- ❖ Art (Painting, Sketch)
- ❖ Teaching Mathematic (Passion and Hobby)
- ❖ Balcony Gardening
- ❖ Playing Chess

Working Experience

- ❖ **Api Solutions Ltd:** Currently I am working for Api Solutions Ltd as a Junior Software Engineer. Especially as a python developer.
 - Office Address: Banani, Block B, 23/A, House 4, Flat 7A.
 - Link: www.apisolutionsltd.com
- ❖ **Mathematics and Computer Teacher:** I have also experience in teaching as a Mathematics and Computer teacher. In teaching profession, I have a lot of experience both Bangla Version and English Medium.

Research Work

A Machine Learning Approach To Predict Human Activity And Trails.

Research status: Done

Data Type: EEG Brainwave Data

Theory: Machine Learning

Reference

Dr. Shaha Murtaza Rashid Al Masud Professor

University of Asia Pacific

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Tanjina Helaly Assistant Professor

M.Sc. in Computer Science, NDSU, USA

B.Sc.- EEE, BUET

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I solemnly affirm that the information submitted above is correct to the best of my knowledge & belief.

Sathy Akter