

# Sathy Akter

Software Engineer



sathy754@gmail.com



+8801969111696



github.com/sathy77



https://www.linkedin.com/in/sathy-akter-6279ab247



3<sup>rd</sup> floor, 23/1-Hrishikesh Das Road, Luxmibazar, Old Dhaka, 1100



## 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 2<sup>th</sup> round as a female team – ( 2018)
- ❖ Participated in NCPC once in NCPC
- ❖ Acquired 4<sup>th</sup> position in UAP Inter Department Programming Contest (Junior) – 2018
- ❖ Participated in UAP Software and Hardware carnival – 2019
- ❖ Acquired 3<sup>th</sup> 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), Two way Linklist (c), Linear and Multilinear regression (p): Binary Search, Binary Tree use Linked list, BFS (c), Binary Tree, Bicoloring graph use BFS, BFS (cpp): <https://github.com/Sathy77/Data-Structure-Using-C.git> , <https://github.com/Sathy77/Data-Structure-Using-CPP.git> , <https://github.com/Sathy77/Linear-and-Multivariable-Linear-Regression.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/InformationHiderProject.git>  
**Tictactoe (Java):** <https://github.com/Sathy77/JavaProjectTictactoe.git>  
Pattern (Assembly), 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.

Demo video: <https://drive.google.com/drive/folders/17okyH-QXONBty6-H3KUzIEOvGyzK0mQ?usp=sharing>  
Code: [https://drive.google.com/drive/folders/1UTjj6\\_gKoS2xQLXi8J9yfg1sb2P3UbTZ?usp=sharing](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.

**Send Email(Python):** Store information via email from an official website. It is my official first work (Backend python, Database Postgres).

Demo: <https://www.apisolutionsltd.com/contact-us>

Code: <https://github.com/Sathy77/Sathy77-django-email-sending-api-backend.git>

Running project is HRM. It's also Backend python, Database Postgres.

## Academic Achievement

- **Champion of Intra Department Art Exhibition, 2022**
- **Acquired 4<sup>th</sup> 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](http://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

Phone: +8801405688649

Email: [murtaja@uap-bd.edu](mailto:murtaja@uap-bd.edu)

### **Tanjina Helaly** **Assistant Professor**

M.Sc. in Computer Science, NDSU, USA

B.Sc.- EEE, BUET

Phone: +8801983792229

Email: [tanjina.helaly@gmail.com](mailto:tanjina.helaly@gmail.com)

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

*Sathy Akter*