

SATABDI DAS

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EDUCATION

Shahjalal University of Science and Technology

2017 - 2021

B.Sc. in Computer Science and Engineering

CGPA: **3.82**/4.00

Rank: 5th in a class of 107 students, with distinction

WORK EXPERIENCE

Coding Instructor, Kids Advanced Technology Club(KATClub)

December, 2020 - Present

Part-Time Job at Kelowna, BC, Canada

KATclub is a Canada based learning platform.🔗

Coding Content Creator, CodexPro

July, 2021 - Present

Part-Time Job at Germany

CodexPro is online coding platform, that teaches Scratch and Python programming.🔗

NOTABLE ACADEMIC PROJECTS

Movie Recommendation System

This project aims at recommending movies to users by collaborative filtering. KNN, correlation and SVD matrix factorization is applied for recommendation.

Humor Level Detection

The Project is based on SemEval 2020 Task 7: Humor level detection. BERT, LSTM, Naive-Bayes is used for detecting the Humor level.

Chat Application using Socket Programming

A client-server application built by using Java Socket programming where multiple clients can connect to a server, see the active clients and chat. Server side has been built with Node.js.

Online Hostel Management System

A Laravel based hostel management website where a student can check the seat availability, request for seat, check payment status, issue any complaints to respective authority. Administrators can publish notice, see the complaints, resolve and update the complaints status in the website. MySQL database has been used.

Thesis/Project Distribution System

Thesis/Project Distribution System is a web project where student can submit their preference supervisors list to authorities. Then, authorities can assign supervisor to student groups based on CGPA. Authorities can publish notice, manage the preference list based on thesis topic criteria.

Diagram Builder Application

An android application to build UML diagrams. The diagram can be exported as PDF or JPG file format. Users can also edit previously saved diagrams.



Graphics Project

A DX ball game has been built using C language-based OpenGL Graphics library.

Java Game Project

A game built on JavaFX platform where a player will have to control its character avoiding any obstacles that come on its way. The game theme and character designs have been motivated by classical "Harry Potter" books.

PUBLICATION

- **Satabdi Das**, Sharmin Ahmed, Summit Haque, Sabir Ismail. Assessing correlation between night-timelight and road infrastructure: An empirical study. In 11th International Conference on Geographic Information Science (GIScience 2021 Short Paper Proceedings )
- Can We Predict Where to Build The Next Road? (Poster accepted at 8th NSysS 2021 )

ACHIEVEMENTS

University Merit Scholarship

Shahjalal University of Science and Technology

Digital Sylhet City Idea Hackathon 2019

2nd Runners up

Presented Idea: Digital health care system for least developed countries.

Bangladesh Astro Olympiad

5th place, Sylhet Regional

EXTRA-CURRICULAR

- Mentee, **Microsoft's technical resilience mentorship program 2021** 
- Conference Management Team, **1st International Conference on Bangla Speech and Language Processing (ICBSLP 2018)** 
- Academic Team member, **Children Science Congress, 2017** 
- Contest Management Team, **Sylhet regional of National High School Programming Contest, 2017** 
- Event Management Team, **SUST CSE Carnival, 2017** 

PROGRAMMING CONTEST

- ACM-ICPC Asia Dhaka Regional Contest, 2017
- National Girls' Programming Contest, 2017
- SUST Inter University Programming Contest, 2017
- NSU Inter University Girls' Programming Contest, 2018
- National Girls' Programming Contest, 2018

TECHNICAL STRENGTHS

Languages	C, C++, Java, Python, HTML, CSS, PHP, SQL, Intel 8086 Assembly Language
Software & Tools	MS Office, Excel, Powerpoint, LaTeX
Operating Systems	Windows, Linux
Frameworks	Django, Laravel
Machine Learning Library	Keras