

# Jakir Hasan

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## EDUCATION

**Shahjalal University of Science and Technology, Sylhet**

February 2024

*B.Sc. in Computer Science and Engineering*

*CGPA: 3.61/4.00 (Upto 7<sup>th</sup> semester)*

**Govt. Ananda Mohan College, Mymensingh**

April 2018

*Higher Secondary*

*GPA: 5.00/5.00*

**Police Line High School, Mymensingh**

February 2016

*Secondary*

*GPA: 5.00/5.00*

## RESEARCH EXPERIENCE

- Transformer Based Bangla Lemmatizer with Application in Bangla Sign Language Generation (**Thesis – Report**)
- Character-Level Bangla Text-to-IPA Transcription Using Transformer Architecture with Sequence Alignment [arxiv.org/abs/2311.03792](https://arxiv.org/abs/2311.03792) (**Competition – Report**)
- Bangladeshi Paper Currency Recognition With Improved Dataset Using Vision Transformer (Under review – ICEEICT 2024) (**Preprint**)

## PROGRAMMING EXPERIENCE

Solved 1100+ problems on various online platforms

- **Codeforces (JakLee)**: 790+ problems solved
- **UVa (JakirHasan)**: 40+ problems solved
- **LeetCode (JakLee)**: 165+ problems solved
- **LightOJ (jakirhasan71)**: 40+ problems solved

## PROJECTS

**SUST Viva Scheduler** 🐙 | *Python, Flask, HTML, CSS, Bootstrap, SQLite*



- Developed a web application where teachers can manage the schedules of viva online and students can also see the updates of schedules in real-time.

**Online Course Management System** 🐙 | *Java, Servlet, JSP, MySQL*

- Developed an application where teachers can manage their offered courses online and students can register and view different courses and course materials.

**Classy Store** 🐙 | *NodeJS, NextJS, Tailwind CSS, MongoDB*

- Developed the functionalities of an online store where sellers can sell products and buyers can buy products making transactions through a bank.

## ADDITIONAL RELEVANT COURSES

- Supervised Machine Learning: Regression and Classification – **Coursera**
- Neural Networks and Deep Learning – **Coursera**
- Divide and Conquer, Sorting and Searching, and Randomized Algorithms – **Coursera**

## SKILLS

**Programming Languages:** C, C++, Python, Java, SQL

**Worked with:** C, C++, Python, Java, HTML, CSS, Bootstrap, NodeJS, NextJS, MySQL, MongoDB, Git, L<sup>A</sup>T<sub>E</sub>X

## ACHIEVEMENTS & PARTICIPATIONS

- DataVerse Challenge: ITverse 2023 organized by University of Dhaka – **1st runner up**
- Participated in ICPC Dhaka Regional Preliminary Contest – **2020, 2022**
- Participated in National Undergraduate Mathematics Olympiad – **Sylhet Region**