

# Jakir Hasan

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## EDUCATION

<b>Shahjalal University of Science and Technology, Sylhet</b> <i>B.Sc. in Computer Science and Engineering</i>	February 2024 CGPA: 3.65/4.00
<b>Govt. Ananda Mohan College, Mymensingh</b> <i>Higher Secondary</i>	April 2018 GPA: 5.00/5.00
<b>Police Line High School, Mymensingh</b> <i>Secondary</i>	February 2016 GPA: 5.00/5.00

## WORK EXPERIENCE

<b>REVE Systems, Dhaka</b> <i>Junior Software Engineer at R&amp;D Department</i>	May 2024 - Present
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## RESEARCH INTERESTS

- Natural Language Processing
- Speech Processing
- Machine Learning

## RESEARCH EXPERIENCE

- Bangladeshi Paper Currency Recognition with Improved Dataset Using Vision Transformer (ICEEICT 2024)  
DOI: [10.1109/ICEEICT62016.2024.10534465](https://doi.org/10.1109/ICEEICT62016.2024.10534465)
- Character-Level Bangla Text-to-IPA Transcription Using Transformer Architecture with Sequence Alignment  
DOI: [10.48550/arXiv.2311.03792](https://doi.org/10.48550/arXiv.2311.03792) (**Report**)
- Improving Bengali ASR for Regional Dialects with IndicWav2Vec: A Competition Approach  
DOI: [10.13140/RG.2.2.10463.27049](https://doi.org/10.13140/RG.2.2.10463.27049) (**Report**)
- Transformer Based Bangla Lemmatizer with Application in Bangla Sign Language Generation (**Thesis**)

## PROGRAMMING EXPERIENCE

Solved 1100+ problems on various online platforms

- **Codeforces (JakLee)**: 790+ problems solved
- **UVa (JakirHasan)**: 40+ problems solved
- **LeetCode (JakLee)**: 185+ problems solved
- **LightOJ (jakirhasan71)**: 40+ problems solved

## ADDITIONAL RELEVANT COURSES

- Supervised Machine Learning: Regression and Classification – **Coursera**
- Neural Networks and Deep Learning – **Coursera**

## SKILLS

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

## ACHIEVEMENTS & PARTICIPATIONS

- DataVerse Challenge: ITverse 2023 organized by University of Dhaka – **1st runner up**
- Datathon: 11th National ICT Fest 2024 organized by Islamic University of Technology – **5th**
- Participated in ICPC Dhaka Regional Preliminary Contest – **2020, 2022**
- Participated in National Undergraduate Mathematics Olympiad – **Sylhet Region**