

# Md Shakil Ahmed

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## SUMMARY

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A Computer Science and Engineering student from Independent University, Bangladesh who is Self-motivated, highly passionate for the technology and possesses a strong interest in researching data science, Natural language processing and machine learning in the hopes of making a substantial impact on the field.

## RESEARCH INTERESTS

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Data Science, Machine Learning, Natural Language Processing, Image Processing, Bioinformatics, Blockchain, Software Engineering, System Design

## EDUCATION

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### Independent University, Bangladesh

*B.Sc. in Computer Science and Engineering;*

Dhaka, Bangladesh

*January 2021 – December 2024*

Thesis: credit risk rating system using Blockchain

*Ongoing*

- **Relevant coursework:** Calculus I-II, Differential Equations, Digital System Design, Data Structure, Algorithms, Object Oriented Programming, Database Management System, Distributed Database System

## WORK EXPERIENCE

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### Independent University, Bangladesh

*Undergraduate Teaching Assistant*

Bashundhara R/A, Dhaka, Bangladesh

*Jan 2023 – Sep 2023*

- **Courses Taught:** Structured Programming (Programming language: Python), Database Management.

### Klatch Technologies

*AI Research and Development Intern*

Assam, India (Remote)

*Oct 2023 – Dec 2023*

- Implemented common NLP tasks using transformers such as named-entity recognition (NER), part-of-speech (POS) tagging, sentiment analysis, text classification, and extractive/generative question answering.
- Intent-based Query Model for Question Answering
- Worked on a custom Medical domain question-answering system by fine-tuning a BERT base model transformer. Evaluated the exact match and F1 scores using different Medical data sets and compared the evaluation results.

### Student Tutor

*Teacher*

Uttara, Dhaka, Bangladesh (Part-time)

*Feb 2020 – present*

- Work with students, and indoctrinate them about problems they are having with the course material.
- Holding 15 hours per week's tuition hours.
- Lead discussion sessions with students.

## RESEARCH EXPERIENCE

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### Research On going

## AWARDS & ACHIEVEMENTS

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**Ahsanullah Master Smriti Scholarship:** Awarded to the 9th and 17th place twice(2008, 2009) for outstanding performance among Gazipur District at Primary Level Scholarship Exam.

**Best Athlete Award:** Awarded to the Champion price twice(2014, 2016) for securing three 1st place in the Annual sports competition in UHSC

## PROJECTS

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### Invoice Generator Using Python | [GitHub](#)

- In this project, I create a real time invoice generator using python to generate automated shopping invoice.

### Student Performance Monitoring Syatem 2.0 for IUB | [GitHub](#)

- This is the database management project that we implement graphs and charts for the all users those who using iras.

### Hotel Management System Covid-19 | [GitHub](#)

- Real-time Employee management system object and Face Recognition using RCNN, Redis Docker, Django
- Manage category of room, Health care, and payment. Based on the customer's situation suggest a hospital

## SKILLS

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**Programming:** C++, Java, Python, JavaScript, MATLAB, SQL, MySQL

**Technologies:** Git,Github, Gitlab, GitKraken, OpenCV

**Languages:** Bangla (Native), English (Professional), French (Elementary)

## COMPETITIVE PROGRAMMING

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**Problem-Solving:** Solved numerous data structure and algorithmic problems and participated in online programming contests in various online judges including Codeforces, Codechef and Atcoder.