

# JUNAYET ISLAM SARKAR

Computer Engineer

IIST Shibpur, West Bengal

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GitHub Profile

LinkedIn Profile

## TECHNICAL SKILLS

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

**Developer Tools:** VSCode, GitHub

**Front-end Development:** HTML, CSS, JavaScript

**Databases:** MySQL, SQL

**Coursework:** DSA, DBMS, Operating Systems, Computer Networks

**Areas of Interest:** Development

## EXPERIENCE

### •DNA Sequence Sorting on Parallel Computing

May 23 - July 23

Research Intern under Dr.Surajeet Ghosh (Associate Professor, IIST SHIBPUR)

Howrah

- Developed an algorithm which sort DNA sequencing in CUDA
- The algorithm takes a large DNA sequence data set and gives a alphabetically sorted Sequence data set
- Tools and Technology used: CUDA programming language, Excel, Google Colab Notebook,

## PROJECTS

### •Hand Written Mathematical Expression Recognition

Python, GPT2, Google colab notebook

- Developed a machine learning model which take image of hand written mathematical expression give the latex code of this images.
- Dataset was given by my guide.

### •WeatherUp Chrome Extension

HTML, CSS, JavaScript, JSON

- Developed a user-friendly web page to provide real-time weather updates based on searching for a specific location.
- Used Openweathermap.org API to get current weather for the specific location.

### •Dynamic Analog Clock with Real-time Updates

HTML, CSS, JavaScript, Audio Integration

- The clock features synchronized rotation of hour, minute, and second hands, providing accurate time representation.
- This project showcases my proficiency in JavaScript programming, enabling the creation of interactive and dynamic web content.

### •Mini Project on Cyber Attacks and Cyber Security

Conducted in-depth research and analysis on Cyber Attacks and Cyber Security.

- Conducted comprehensive research and analysis on Cyber Attacks and Cyber Security, yielding valuable insights into the evolving threat landscape and effective countermeasures.
- Presented findings through a well-structured project, showcasing a deep understanding of digital vulnerabilities and protective strategies.

## EDUCATION

### •Indian Institute Of Engineering Science And Technology Shibpur

2024

B Tech in Computer Science and Technology

CGPA: 7.8

### •Chak Panchghora Sitanath High School

2019

West Bengal Council of Higher Secondary Education, West Bengal

Percentage: 82.8

### •RamchandraPur High School(HS)

2017

West Bengal Board Of Secondary Education, West Bengal

Percentage: 90.2

## POSITIONS OF RESPONSIBILITY

### •Volleyball Captain of High School Team

2017-2019

### •Media Lead of CST Department

2022-23

## ACHIEVEMENTS

### •2 Times Best Actor

We performed a drama on Bidhan Sova (District Level)

### •Best Setter Won Numerous Local Volleyball Tournaments