

# URMI SAHA

Gazirhat-9224, Dighalia, Khulna, Bangladesh

✉ [sahaurmicse@gmail.com](mailto:sahaurmicse@gmail.com)

in [linkedin.com/in/urmi\\_saha](https://www.linkedin.com/in/urmi_saha)

☎ +8801784-573535

## EDUCATION

---

### Chittagong University of Engineering and Technology

*Bachelor of Science in Computer Science and Engineering*

- **Cumulative GPA:** 3.71/4.0

Chittagong, Bangladesh

*November, 2021*

### Cantonment College, Jashore

*Higher Secondary School Certificate, Science*

- **GPA:** 5.00/5.00

Jashore, Bangladesh

*August, 2015*

### Gazirhat Hazi Naimuddin Secondary School, Khulna

*Secondary School Certificate, Science*

- **GPA:** 5.00/5.00

Khulna, Bangladesh

*May, 2013*

## PROFESSIONAL EXPERIENCE

---

### Bangladesh Army University of Science and Technology

*Lecturer, Dept. of Computer Science and Engineering*

Saidpur, Bangladesh

*29<sup>th</sup> November 2021 - Present*

- Teaching following undergrad courses: Introduction to Computer System, Structured Programming Language, Object Oriented Programming Languages, Numerical Method, Applied Statistics for Computer Science, Mathematical Analysis for Computer Science, Artificial Intelligence, Database with associated lab classes.
- Contributed to the development and improvement of CSE program curriculum including Introduction to Computer System, Object Oriented Programming Language and Database.
- As a course advisor mentoring particular batch students and offering them guidance in course selection, career paths and academic goals as well as in research.
- Mentoring final semester students with their research, thesis and projects as a co-supervisor.
- Engaged as a coach for students in activities related to CSE like Programming Contests, Idea Contests.

## PUBLICATIONS

---

- Classification of Tumor Cell Using a Naïve Convolutional Neural Network Model. (Springer Book Chapter, "Machine Intelligence and Emerging Technologies", 11 June 2023) D.Gupta, R.Hossain, U.Saha, R.Gupta & MS. Ali.

## HONORS AND AWARDS

---

- University Merit Scholarship, CUET, Bangladesh (2016-2021)
- Secondary School Certificate Merit Scholarship, Jashore Board, Bangladesh (2013)
- Junior School Certificate Merit Scholarship (3rd in Centre), Jashore Board, Bangladesh
- Primary School Certificate Merit Scholarship (1st in Centre), Jashore Board, Bangladesh (2008)
- Class Topper Scholarship / Prize successively for class (1 to 10) from 2003 to 2012

## THESIS AND PROJECTS

---

### Predicting Depression Level based on Human Activities and Feelings

Jun 2020 - August 2021

- Developed the questionnaire and collected personal data including intimate facts ensuring ethical law.
- Assigned a degree of membership for fuzzy symptoms set.
- Designed and implemented fuzzy inference rules to predict depression severity levels by modelling uncertain nature of human emotions and behaviors.
- Used Tools: Anaconda and Libraries: ScikitLearn.

### Heart Disease Prediction System

May 2019 – Jan 2020

- Developed a Machine Learning Model for predicting Heart disease type.
- Predicted the accurate disease type based on user provided symptoms.

### Virtual Examination System

May 2018 – Nov 2018

- Provided an online environment to attend exams, quiz etc.
- Implemented a system for teachers to upload continuous assessment.
- Used MySQL, JavaScript, php

## TECHNICAL SKILLS

---

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

**Paradigms:** Data Structures, Algorithms, Data Analysis, Data Preprocessing, Data Modeling

**Database Management:** MySQL, Oracle

**Web Development:** HTML, CSS, JavaScript

**Libraries:** pandas, NumPy, Matplotlib, Pytorch, Scikit-Learn Tensorflow, SciPy

**Tools:** Eclipse, Netbeans, Codeblocks, Xampp, Visual Studio Code, Anaconda, PyCharm

## LANGUAGE PROFICIENCY

---

- Bengali: Native
- English: Listening - 6.5; Reading - 7.0; Writing - 6.0; Speaking - 6.0 (IELTS - 6.5)

## ORGANIZATIONAL ACTIVITIES

---

### **Bir Pratik Taramon Bibi Hall, BAUST**

**Saidpur, Bangladesh**

*Assistant Hall Provost*

*16<sup>th</sup> December 2021 – 15<sup>th</sup> August 2022*

- Mediated and resolving conflicts among students, addressed disciplinary issues and policy violations.
- Planned and organized cultural and educational events like Women Day Celebration, Rag Day Party, Musical Night and Programming Contests.
- Collaborated with university officials like Vice chancellor, Proctor to review and update hall policies.

### **Joint Finance Secretary at Joyoddhoney, CUET Cultural Club**

**2019 - 2021**

- Conducted financial budget management on several competitive and cultural programs.
- Performed in CUET competitive short film, Dance Fest, Prothom Alo Drama Competition.

### **Assistant Organizing Secretary, CUET Sports Club**

**2019 - 2021**

- Worked for girls' badminton contest arrangement.
- Organized interdepartmental various sports competitions.

### **Volunteer at Pother Chaya, Bangladesh**

**2016 - Present**

- Helped flood, cold and natural calamity affected people.
- Raised awareness against child abuse, domestic violence, woman health and nutrition.
- Provided necessary items between poor family during Ramadan.