

## PERSONAL INFORMATION



## Shakib Izaz Mahmud

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Gender Male | Date of birth 30 November 1998 | Nationality Bangladeshi

## EDUCATION AND TRAINING

## 2017–2022 Bachelor of Science in Computer Science

Brac University, Dhaka, Bangladesh

– **CGPA:** 3.14/4.00

– **Number of credit earned:** 124 (equivalent to 223.2 ECTS)

– **Thesis & Project:** A Color vision Approach Considering Reflection Co efficient Based on Auto-encoder Techniques Using Deep Neural Networks.

## 2014–2015 Higher Secondary School Certificate

Dhaka Residential Model College, Dhaka, Bangladesh

– **GPA:** 4.67/5.00

## 2012–2013 Secondary School Certificate

Dhaka Residential Model College, Dhaka, Bangladesh

– **GPA:** 5.00/5.00

## 2023 Foundation Training Program (General Banking Module)

Learning & Talent Development Center, The Premier Bank PLC., Dhaka, Bangladesh

## 2022 Backend Engineering with Python

Tecongnize Training, Dhaka, Bangladesh

## 2017 Animated Film Making

Residential Campus, Brac University, Dhaka, Bangladesh

## 2015 Battalion ATE-1

Bangladesh National Cadet Corps, Dhaka, Bangladesh

## RESEARCH INTEREST

AI in Cybersecurity, Computer vision, Object detection, Privacy preserving technologies, IOT Security

## RESEARCH EXPERIENCE

## Brac University

**Thesis & Project:** A Color vision Approach Considering Reflection Co efficient Based on Auto-encoder Techniques Using Deep Neural Networks.

We have devised an innovative method for identifying objects and surface elements by utilizing reflection coefficients and diverse data sets. The data was generated in various settings to train a range of computer vision models during our research. Our primary objective is to address the challenge of detecting different surface elements, making this technology applicable across sectors, from security to medical applications. We are actively working on further enhancements and preparing for a conference.

**Outcome:** 1 conference proceeding

## TECHNICAL SKILLS

Python(Basic), Java (Programming Language); Database: MySQL (Basic); Version Control System-Git; SDLC,STLC and Bug Life Cycle Processes; Cybersecurity (Basic); Information Security (Basic); Information Security Audit; Security Information and Event Management (SIEM); ISO 27001; Vulnerability testing; JIRA

## DISTINCTIONS

- **VC's List Honor** for 'Academic Excellence' with a GPA 4.0 out of 4.0 scale in Spring 2021 semester, issued by Office of the Controller of Examinations, Brac University.

## CERTIFICATIONS

- **Backend Engineering with Python** Issued by 'Tecognize Training'.
- **Battalion ATE-1** Issued by 'Bangladesh National Cadet Corps'.
- **Foundation Training Program (General Banking Module)** Issued by 'Learning & Training Development Center, The Premier Bank PLC. '.

## WORK EXPERIENCE

15 Oct 2023 – Present

### Trainee Junior Officer, IT Security & Governance

#### The Premier Bank PLC.

Head Office, Iqbal Centre, 6th Floor, 42 Kemal Ataturk Avenue, Banani, Dhaka - 1213, Bangladesh

- Conducting IS risk assessments and performing security testing on various systems, applications and databases within the banking environments
- Ensuring strict compliance with security standards throughout the bank to safeguard confidential information and data integrity
- Taking charge of identifying, diagnosing and resolving information security issues promptly to maintain the robustness of the bank's security infrastructure
- Developing comprehensive security policies and guidelines to guide the organization in adhering to best practices and industry standards.
- Approving, reviewing, and monitoring access controls at the system, application and database levels to ensure proper security measures are in place.
- Establishing and maintaining effective relationships with external security resources, staying informed about the latest industry trends and threats.
- Showcasing a demonstrated ability to document technical processes and produce detailed reports in English, contributing to the transparency and communication of security procedures.
- Excelling in working under tight timeframes with strong organizational skills, ensuring the efficient execution of security-related tasks.
- Demonstrating a proactive, passionate, and perfection-driven attitude towards ensuring the highest levels of security across all aspects of the Bank's operations.

11 Dec 2022 – 10 Oct 2023

### QA Analyst

#### Brown Mafia

House No - 2, 1 Road No. 7, Mohammadia Housing, Dhaka - 1207, Bangladesh

- Performed different types of security testing (Network security testing, Payment gateway security testing, Social engineering testing etc.) in e-commerce web application.
- Reviewed design specifications thoroughly to comprehend the scope, requirements, and functionality of web application.
- Executed comprehensive testing procedures to ensure that products met user requirements and complied with established guidelines.
- Identified, documented, and replicated error codes, bugs, and defects for further analysis.
- Collaborated with web developers to report defects when products did not meet specifications, providing insights into potential solutions, improvements, and updates.
- Conducted maintenance testing on delivered products throughout the service agreement period.
- Undertook additional duties as assigned.

12 May 2022 – 11 Nov 2022 **Software Tester Intern**
**Samsung R&D Institute Bangladesh**

111 Bir Uttam CR Dutta Rd, Dhaka 1205, Bangladesh

- Conducted both manual and automated verification of tests.
- Established test environments, formulated test plans, and created and executed test cases.
- Ran tests across various environments and devices to ensure comprehensive coverage.
- Reported all issues associated with test failures.
- Developed and maintained automation test scripts on a periodic basis.

**PERSONAL SKILLS**

Mother tongue Bengali

**Other languages**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
<b>IELTS: 7.0 [C1]</b>					

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user  
[Common European Framework of Reference for Languages](#)

**Communication skills**

- team work: I have worked in various types of teams. For 1 years I coached my high school BNCC platoon.
- mediating skills: I work on the borders between young people, youth trainers, for example running a 2 day training at Project Better-life “Promoting education among the underprivileged”, and my continued work on youth training programmes

**Organisational / managerial skills**

- whilst working for Bangladesh National Cadet Corps I led our high school BNCC platoon.
- during my Cadet adjutant period in my high school BNCC platoon I organised many seminars on leadership and importance of disciplined and smart life.

**Digital competences**

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Independent user	Basic user	Independent user	Independent user

[Digital competences - Self-assessment grid](#)
**Other skills**

Enjoy all adventure sports particularly scuba diving, rappelling, jumaring, free climbing. Love to travel and experience different cultures.

**VOLUNTEERING EXPERIENCES**

10 August 2023 – Current

**Vocational Training Officer**
**Project Better life**

- Educating Children in Basic Arithmetic
- Conducted workshops to teach children life skills like basic IT functions, how can one use internet as an educational tool, leadership skills etc.

## REFERENCES

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**Dr. Md. Ashraful Alam**

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Department of Computer Science & Engineering  
Brac University  
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