

# SHAKIB IZAZ MAHMUD

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Dhaka, Bangladesh

## EDUCATION

- **Brac University** January 2017 - May 2022  
*BSc in Computer Science* Dhaka, Bangladesh
  - CGPA: 3.14/4.00
- **Dhaka Residential Model College** 2016  
*Higher Secondary School Certificate* Dhaka, Bangladesh
  - GPA: 4.67/5.00
- **Dhaka Residential Model College** 2014  
*Secondary School Certificate* Dhaka, Bangladesh
  - GPA: 5.00/5.00

## RESEARCH EXPERIENCE

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

- [T.1] Shakib Izaz Mahmud, et al. (2021). **A Color Vision Approach Considering Reflection Co-efficient based on Auto encoder Techniques using Deep Neural Networks.**

## RESEARCH INTEREST

- Computer vision
- Object Detection
- Natural Language Processing
- AI in Cybersecurity
- Privacy preserving technologies
- IOT Security

## EXPERIENCE

- **The Premier Bank PLC. [🌐]** October 15, 2023 - Present  
*IT Security Officer, IT Security & Governance Division* Dhaka, Bangladesh
  - Conduct detailed information security risk assessments, monitor logs, and investigate incidents to identify and mitigate vulnerabilities across systems, applications, and processes.
  - Ensure compliance with security standards, regulatory requirements, and internal audits while assisting in the development and review of information security policies and procedures.
  - Support IT risk management by coordinating penetration tests, privileged access reviews, and CIRT activities, including participating in cyber drills.
  - Organize periodic ICT security meetings with departments to address risk management, vulnerability assessments, and policy enforcement.
  - Review physical security measures of the bank's Data Center and Disaster Recovery sites, and assist in drafting RFPs and implementing IT security solutions.
- **Brown Mafia [🌐]** December 11, 2022 - October 10, 2023  
*QA Analyst* Dhaka, Bangladesh
  - Conducted various security testing types, including network, payment gateway, and social engineering tests, for e-commerce web applications.
  - Reviewed design specifications and executed thorough testing to ensure compliance with user requirements and guidelines.
  - Identified, documented, and collaborated with developers to address bugs, defects, and potential improvements.
  - Performed maintenance testing during the service agreement period and managed additional assigned tasks.
- **Samsung R&D Institute Bangladesh [🌐]** May 12, 2022 - November 11, 2022  
*Software Tester Intern* Dhaka, 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.

## PROJECTS

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- **Project : [djBlogApp: Full Featured Blog Application]**

Tools: [HTML5, CSS3, Bootstrap4 | Python, Django | Git | PostgreSQL | Heroku]



- Developed djBlogApp: A full-featured blog web app with CRUD functionality for posts.
- Implemented user authentication for account creation and secured content management.
- Enabled post commenting, email sharing, and post search/filtering for enhanced user interaction.
- Applied Django framework to streamline development and ensure efficient database operations.

## SKILLS

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- **Programming Languages:** Python; Java
- **Database:** MySQL
- **Version Control:** Git
- **Machine Learning:** Supervised Learning; Unsupervised Learning; Computer Vision; NLP; Machine Learning Frameworks (e.g., TensorFlow); Classification Algorithms (e.g., SVM, Decision Trees, Random Forest)
- **Cloud Security:** Identity and Access Management (IAM); Data Encryption; Cloud Security Posture Management (CSPM)
- **Security Disciplines:** Cybersecurity Policy Management; Governance, Risk, and Compliance (GRC) Administration; Security Framework Integration
- **Assessment and Compliance:** Information Security Audit; Risk Assessment; ISO 27001 Implementation; Vulnerability Testing
- **Security Operations and Tools:** SIEM; PAM
- **Collaboration and Task Management Platforms:** JIRA
- **Specialized Area:** SDLC; STLC and Bug Life Cycle Processes

## HONORS AND AWARDS

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- **VC's List Honor** 2021  
*Office of the Controller of Examinations, Brac University*
  - 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.
- **Competition Achievement** November 2024  
*Cyber Defence Innovation Challenge, The Daily Star & United Nations Development Programme (UNDP)*
  - Champion in the competition
  - Comprehensive project planning, including solution design, prototyping, feasibility, impact, financial assessment, and implementation planning demonstrated through this achievement

## LEADERSHIP EXPERIENCE

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- **Cadet Adjutant - Dhaka Residential Model College BNCC Platoon** 2015-2016  
*Bangladesh National Cadet Corps*
  - 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 organized many seminars on leadership and importance of disciplined and smart life.

## VOLUNTEER EXPERIENCE

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- **Vocational Training Officer** August 2023 - Present   
*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.

## CERTIFICATIONS

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- **Animated Film Making** November 2017
- **Backend Engineering with Python** April 2022
- **Delinea Secret Server (PAM) Administration** September 2024

## ADDITIONAL INFORMATION

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### Languages:

- Bangla (Mother Tongue)
- English (IELTS: Over all: 7 | Listening: 7.5 | Reading: 8.0 | Writing: 6.0 | Speaking: 6.5)

### Interests:

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

## REFERENCES

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1. **Dr. Md. Ashraful Alam**

Associate Professor & Director of CVIS Lab, Department of CSE  
Brac University  
Email: ashraful.alam@bracu.ac.bd  
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*Relationship: Thesis Supervisor, Course Instructor*

2. **Dr. Muhammad Iqbal Hossain**

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*Relationship: Course Instructor*

3. **Kh. Golam Sarwar CISM, CISA, CEH**

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