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

- **AI in Cybersecurity**
- **Computer vision**
- **Natural Language Processing**
- **Object Detection**
- **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

- **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

- **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

- **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

- **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

- **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

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

Additional Information

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

1. **Dr. Md. Ashraful Alam**
   Associate Professor & Director of CVIS Lab, Department of CSE
   Brac University
   Email: ashraful.alam@bracu.ac.bd
   Phone: +880-1984714672
   Relationship: Thesis Supervisor, Course Instructor

2. **Dr. Muhammad Iqbal Hossain**
   Associate Professor, Department of CSE
   Brac University
   Email: iqbal.hossain@bracu.ac.bd
   Phone: +88-09617445122
   Relationship: Course Instructor

3. **Kh. Golam Sarwar CISM, CISA, CEH**
   SAVP & Head of IT Security & Governance , IT Security & Governance Division
   The Premier Bank PLC.
   Email: kg.sarwar@thepremierbankplc.com
   Phone: +880-1313046588
   Relationship: Division Head