

Sabbir Bin Abdul Latif

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EDUCATION

BRAC University

Bachelor of Science in Computer Science

CGPA: 3.3/4.00

Badda, Dhaka

Oct 2021 – Sep 2025 (Expected)

Uttara High School and College

Higher Secondary Certificate, Science

GPA: 5.00/5.00

Uttara, Dhaka

Jul 2018 – Mar 2020

THESIS / RESEARCH PROJECT

Exploring Usability Issues of E-Government Websites in Bangladesh and Their Impact on Users with Limited Digital Literacy

Brac University

Oct 2024 – Jun 2025

A comprehensive mixed-methods research on Bangladesh's e-government platforms and developed standardized design solutions to improve digital accessibility and usability for citizens with limited technical skills.

- Evaluated government websites, identifying UX issues and recommending design improvements.
- Created Civix UI, a standardized, accessible component library for e-government platforms.
- Built prototypes like E-Passport Redesigned with optimized user flows and better form handling.

PROJECTS

BUCC Portal | Next.js, React, MongoDB, TanStack Query, Tailwind CSS

Live | Code

A full-stack web portal for BRAC University Computer Club (BUCC), serving over 1500 members and 33+ admins across departments. Streamlines recruitment, manages events, and tracks attendance with RFID-based student ID integration.

- Replaced manual workflows (Google Forms & Sheets) with a centralized platform, simplifying recruitment and onboarding for new members.
- Enabled event attendance tracking via RFID scanners linked with existing student ID cards, improving accountability and participation metrics.
- Built modular dashboards and implemented role-based access for admins from different departments (e.g., Governing Body, HR, Events, etc).
- Used TanStack Query for performant async state and Vercel CI/CD for streamlined deployment.

Project R | Python, Flask, MySQL, Bootstrap, jQuery

Live | Code

A donation management platform built to simplify blood donation by connecting donors and seekers while tracking donation history securely.

- Designed and implemented normalized MySQL schema and RESTful API in Flask using raw SQL queries.
- Enabled users to request or offer blood donations, with admins/staff approving, rejecting, or confirming actions.
- Added secure user authentication and admin access controls.
- Developed mobile-friendly frontend using Bootstrap, jQuery, and custom scripts for better interactivity.

TECHNICAL SKILLS

Languages & Scripting: Python, JavaScript, TypeScript, SQL

Frontend Development: Next.js, React, Redux

UI Frameworks: Tailwind CSS, Bootstrap, DaisyUI, Shaden

Backend Development: Express, Flask, Node.js

Database & ORM: MySQL, PostgreSQL, MongoDB, Prisma, Mongoose, SQLAlchemy

Cloud & DevOps: Firebase, Vercel CI/CD

Server & Deployment: Nginx, VPS (Ubuntu), pm2

Tools & Platforms: Git, VS Code, Postman, Vercel, Netlify

Other Skills: REST API, JWT, OAuth2

BRAC University Computer Club (BUCC)

BRAC University

Coordinator, Judge & Problemset Management, IntraHacktive 1.0

Nov 2024

- Led the problem-setting and judging team for BUCC's intra-university competitive programming contest.
- Worked closely with organizers to ensure fair and timely evaluation of submissions.

General Secretary (Acting)

May 2024 – Dec 2024

- Oversaw club operations during leadership transition; coordinated with all departments and maintained workflow continuity.
- Represented BUCC in university-level communications and events.

Director, Research and Development

Mar 2024 – Dec 2024

- Led a major web project for BUCC, overseeing research, design, and development of core features to enhance the club's online community experience.
- Contributed to both frontend and backend tasks, ensuring smooth performance and member-oriented functionality.

CPC Instructor, BUCC Study Corner

May 2023 – Dec 2023

- Conducted regular sessions on competitive programming, boosting algorithmic thinking and problem-solving skills among members.
- Designed challenging problems for internal contests, promoting active learning and practice.

REFERENCES

Dr. Jannatun Noor Mukta

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United International University (UIU)
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Anika Priodorshinee Mrittika

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BRAC University
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