

Md. Shakibul Alam

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🌐 mdshakibulalam

📍 Dhaka, Bangladesh

PROFESSIONAL EXPERIENCE

Jr. Cloud Architect-Trainee, *SMART Technologies (BD) Ltd* Aug 2024 – Jan 2025 | Dhaka, Bangladesh

- Installed and configured security software, Windows OS, and essential applications across 300+ systems for an on-site banking client, ensuring optimal performance and security compliance
- Set up a MySQL server on Google Cloud Platform's Compute Engine, ensuring secure access via SSH. Furthermore, a local MySQL database was migrated to the cloud, improving uptime and facilitating easier remote data access

SKILLS

Programming Languages — Python | PHP

Frameworks — Laravel | Django

Data Analysis tool — Scikit-learn | Pandas | Numpy

Operating System — Linux Basic


Database — MySQL

Testing Tools — Selenium Web driver

Developer tools — Git | Docker

Others — Active Directory | Computer Networking | Cloud Computing

EDUCATION

BRAC University, *Computer Science and Engineering* 
CGPA : 3.61 / 4.00

Jun 2020 – Jul 2024 | Dhaka, Bangladesh

RESEARCH PUBLICATION


Real-Time DDoS Detection in Software-Defined Networks

10 Jun 2025

Using Machine Learning, *IEEE* 

- Compared traditional static dataset and real-time SDN-based DDoS detection methods.
- Applied advanced feature engineering and selection (Random Forest, PCA) to reduce features.
- Implemented and validated real-time DDoS detection in a Software Defined Network (SDN) environment using Mininet and Ryu controller simulation

ACADEMIC PROJECTS

Sleep Disorder Classification, *Python, Scikit-Learn* 


Oct 2023 – Jan 2024

- Trained models like Decision Tree, KNN, and Logistic Regression to detect sleep disorders from health data.
- Achieved 92% accuracy with Decision Tree classifier using engineered sleep features, demonstrating strong potential for ML-assisted diagnosis of sleep disorders

Travel Planner, *PHP, Laravel, MySQL* 

Jun 2023 – Sep 2023

- Built a travel planning website with user login, trip planning, and secure data storage.
- Created an admin dashboard to manage travel packages, users, and payments using role-based access.

Appointment, *Python, Django* 

Jun 2022 – Sep 2022

- Developed a web app where patients can log in and book appointments with doctors.
- Added an admin panel to manage bookings and medical records easily.

EXTRACURRICULAR ACTIVITIES

Robotics Club, *BRAC University, Executive*

2021 – 2023 | Dhaka, Bangladesh

- Served as a member of the organizing committee for the SP Valorant Game Series (Seasons 2 & 3).
- Contributed to the organization of the "TRACTION Omni-verse" event.
- Supported the planning and execution of a seminar on the global impact of robotics and automation with BRAC University's Robotics Club.