

Md. Shakibul Alam

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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**  Jun 2020 – Jul 2024 | Dhaka, Bangladesh
- CGPA : 3.61 / 4.00

RESEARCH PUBLICATION

- Real-Time DDoS Detection in Software-Defined Networks Using Machine Learning, IEEE**  10 Jun 2025
- 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.