

Samia Akter

B.Sc. in Computer Science and Engineering, DUET, Gazipur

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Career Objective

A driven and detail-oriented Computer Science graduate seeking an entry-level position where I can apply my academic background and internship experience to contribute to creative solutions. Passionate about continuous learning, research, and teamwork, with a keen interest in exploring new developments in computer science to drive career growth and organizational success.

Research Interests

Machine Learning (ML), Deep Learning (DL), Cybersecurity, Industrial Internet of Things (IIoT), Image Processing.

Professional Experience

- **Xubisoft Ltd.** *Feb 2025 – May 2025*
Intern – Web Developer, Dhaka, Bangladesh
 - Designed responsive front-end architecture.
 - Developed back-end logic and database structures.
 - Collaborated with team members to deliver full-stack web solutions.
- **Self-Employed** *2022 – Present*
Private Tutor (Classes 1–10), Dhaka, Bangladesh
 - Provided personalized tutoring in Mathematics, Science, and Social Science.
 - Prepared students for school, board, and competitive exams with custom lesson plans.
 - Focused on conceptual understanding and analytical problem-solving.
 - Helped students achieve measurable improvement in academic performance.

Education

- **Dhaka University of Engineering & Technology (DUET), Gazipur** *Nov 2021 – Oct 2025*
B.Sc. in Computer Science and Engineering
 - GPA: 3.71 / 4.00
- **Rajshahi Polytechnic Institute** *June – July 2019*
Diploma in Engineering (Computer Technology)
 - GPA: 3.52 / 4.00
- **Khajur U.P. High School, Naogaon** *Mar 2015*
Secondary School Certificate (SSC)
 - Grade: A+

Academic Projects

- **Pharmacy Management System**
Tools: HTML, CSS, JavaScript, PHP, MySQL
 - Developed a web-based system for managing medicine inventory.
 - Implemented search, rating, and review features for nearby shops.
- **River Cleaning Boat**
Tools: Arduino, Bluetooth, Solar Power
 - Designed and built an automated eco-friendly boat to collect river waste.
 - Enabled remote operation via Bluetooth for efficient waste collection.
- **Online Electronic Servicing System**
Tools: HTML, CSS, JavaScript, PHP, MySQL
 - Created a platform for users to request and track repair services.
 - Added service provider dashboards and feedback functionalities.
- **Portfolio Website**
Tools: WordPress, HTML, CSS, Bootstrap, MySQL

- Built a personal portfolio site to showcase professional skills and projects.

Undergraduate Thesis

Title: Robust and Explainable Potato Leaf Diseases Classification Using State-of-the-Art CNN Models

Supervisor: Mr. Litan Islam, Lecturer, Department of CSE, DUET

Developed an explainable CNN-based framework for detecting potato leaf diseases under real-world field conditions. Multiple state-of-the-art architectures were evaluated, and RexNet-150 combined with the RMSProp optimizer achieved the highest classification accuracy of 90.3%.

Technical Skills

- **Programming:** C, C++, Python
- **Machine Learning:** TensorFlow, NumPy, Pandas, Matplotlib
- **IoT & Systems:** Arduino
- **Web & Database:** HTML5, CSS3, MySQL, Firebase
- **Tools:** Android Studio, VS Code, MATLAB, LaTeX
- **Research:** Data Preprocessing, Experimental Design, Result Analysis, Academic Writing

Additional Information

Languages: Bangla (Native), English (Intermediate)

Interests: Traveling, cooking, learning new technologies, and watching movies.

Honors & Awards

- **Dean's Award (3rd Year)** *2024*
Dhaka University of Engineering & Technology (DUET)
 - Recognized for outstanding academic performance in undergraduate studies.
- **ITEE FE Exam** *Oct 2024*
Information Technology Engineers Examination (ITEE), Bangladesh
 - Achieved full pass in the **Fundamental Information Technology Engineer Examination (FE)**, an internationally accredited IT certification organized by the Bangladesh IT Engineers Examination Center (BD-ITEC) under the Ministry of ICT.
 - The exam follows Japan's **IPA-ITEE standard**, evaluating global competencies in computer science, software engineering, and IT management.
 - Ranked among the top performers in Bangladesh.

Volunteer Experience

- **CSE 1st Reunion 2025, DUET** – Venue Management Team Member.