

Mehedi Hasan

 mehedihasan23.official@gmail.com +8801616231199  LinkedIn  GitHub

PROFESSIONAL SUMMARY

A highly motivated Computer Science undergraduate with a strong foundation in Artificial Intelligence and Software Quality Assurance, combining analytical problem-solving skills with practical experience in intelligent system development and software testing to deliver reliable, efficient, and high-performing solutions that ensure innovation and quality in real-world applications.

EDUCATIONAL BACKGROUND

- | | |
|---|-------------------|
| • Bachelor of Computer Science and Engineering | 2022 – Present |
| <i>Green University of Bangladesh</i> | <i>CGPA: 3.16</i> |
| • Higher Secondary Certificate (HSC) | Graduated 2019 |
| <i>Gafargaon Govt. College, Gafargaon</i> | <i>GPA: 4.71</i> |
| • Secondary School Certificate (SSC) | Graduated 2017 |
| <i>Gafargaon Islamia Govt. High School</i> | <i>GPA: 5.00</i> |

CAREER INTERESTS

- **Core Expertise:** Artificial Intelligence and Software Quality Assurance, focusing on intelligent automation, model evaluation, and software reliability.
- **Applied Research:** Implementing AI-driven solutions for predictive analysis, test optimization, and intelligent defect detection in software systems.
- **Long-term Goal:** To contribute to the development of trustworthy AI systems and high-quality software products through research, testing excellence, and innovation.

ACHIEVEMENTS AND AWARDS

- **Vice Chancellor's Award:** Honored with the **Vice Chancellor's Award** on a semester for academic excellence and contribution to university activities.
- **Dean's Award:** Honored with the **Dean's Award** on a semester for academic excellence and contribution to university activities.
- **SEO Certification:** Successfully completed the **Search Engine Optimization (SEO) Course** in **2022**, gaining proficiency in on-page and off-page optimization, keyword analysis, and content strategy to enhance website visibility and ranking.

LEADERSHIP & VOLUNTEERING EXPERIENCE

- **Organizing Secretary, Green University Prothom Alo Bandhusova:** Served as the **Organizing Secretary** of the Green University Prothom Alo Bandhusova, contributing to event planning, member coordination, and social welfare initiatives within the university community.
- **General Volunteer, Green University Computer Club (GUCC):** Actively participated as a **General Volunteer** in the Green University Computer Club (GUCC), supporting technical events, workshops, and inter-university competitions.
- **General Volunteer, Gafargaon Helpline, Mymensingh:** Worked as a **General Volunteer** for Gafargaon Helpline, assisting in community outreach, awareness programs, and social assistance activities.
- **General Member, Green University Computer Club & Green University Cultural Club:** Engaged as a **General Member** in both the Computer Club and Cultural Club of Green University, contributing to academic, cultural, and extracurricular initiatives.
- **COVID-19 Relief Activities:** Worked on the frontlines during the COVID-19 pandemic, supporting health and relief efforts in the Gafargaon as part of the Gafargaon Help Line emergency response team.

HOBBIES, LIKES, AND DISLIKES

- **Hobbies:** Programming, App Development, Research
- **Likes:** Working with data
- **Dislikes:** Overthinking

RESEARCH INTERESTS & ACADEMIC FOCUS

- **Project Work:** Worked on the **Cloud Computing Cyber Panel Project** as the final year project at Green University of Bangladesh, focusing on server management, virtualization, and resource automation to enhance cloud-based system efficiency.
- **Core Interests:** Deeply interested in **Artificial Intelligence (AI) Engine Research** and **Software Quality Assurance (SQA)**, with an aim to explore intelligent testing systems, automation frameworks, and trustworthy AI models that improve software reliability and performance.
- **Programming Proficiency:** Currently learning and working with **Python**, gaining hands-on experience with libraries such as **PyTorch**, **TensorFlow**, **Scikit-learn**, **OpenCV**, and **Pandas**. Also developing foundational skills in **software testing**, including test case design, defect tracking, and QA automation tools.

PROJECTS

- **Emergency Ambulance Reservation Software**
 - **Tools:** HTML, CSS, JavaScript, PHP, MySQL
 - Developed a web-based system that enables users to instantly book nearby ambulances using live GPS tracking and driver availability status.
 - Implemented key features such as user and driver login, hospital lookup, real-time location mapping, and emergency booking management.
 - Applied SQA principles by designing test cases, executing functional and non-functional testing, and validating software reliability and performance.
- **Heal Point: A Healthcare Management System**
 - **Tools:** Android Studio, Java, XML, SQLite
 - Built a mobile application that streamlines healthcare operations including lab tests, doctor appointments, and digital health articles.
 - Implemented secure authentication, appointment scheduling, and patient information management using an embedded SQLite database.
 - Focused on user-friendly design, system reliability, and data security through structured testing and iterative improvement.

SKILLS

- **Programming Languages:** Python, C, C++
- **Web Development:** HTML, CSS, JavaScript
- **Frameworks & Tools:** React (basic), SQL, MySQL, Milvus Vector DB
- **Productivity Tools:** Intermediate proficiency in Microsoft Word, PowerPoint, and Excel
- **Soft Skills:** Leadership, Teamwork, Communication, Problem Solving, Strategic Thinking

REFERENCES

Nur Mohammad
System Analyst, Public Security Division
Ministry of Home Affairs
Email: saitc@mhapsd.gov.bd
Phone: +8801912335785

Ms. Abida Sultana
Lecturer, Department of CSE
Green University of Bangladesh
Email: abida@cse.green.edu.bd
Phone: +8801968897680