




# Mehedi Hasan

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## PROFESSIONAL SUMMARY

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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

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

## CAREER INTERESTS

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- **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

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- **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

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- **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

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

## RESEARCH INTERESTS & ACADEMIC FOCUS

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- **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

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- **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

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- **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

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### Nur Mohammad

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Ministry of Home Affairs  
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