MIRZA NIAZ MORSHED

Undergraduate Research Assistant | Data Analysis | Artificial Intelligence

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SUMMARY

Results-driven and detail-oriented final-year BSc Computer Science student (AI major) with a current CGPA of 3.50, experienced in both experimental and literature-based research. Demonstrated expertise through the completion and submission of a comprehensive review paper on adversarial attacks in computer vision to a Q1 Scopus-indexed journal. Skilled in Python, deep learning, computer vision, backend development (Django), and academic writing (LaTeX/Overleaf). Adept at data analysis, research synthesis, and collaborative problem-solving. Eager to leverage technical, analytical, and research skills as a Research Assistant to contribute to impactful academic projects and advance innovative research initiatives.

EXPERIENCE

Survey Field Assistant

International Coastal Cleanup

📅 01/2025 - 03/2025   📍 Saint Martin's Island

Rapid Assessment on Plastic Waste Generation and Management Practices

- Designed and implemented systematic field surveys to collect and validate primary data on plastic waste, using standardized research instruments to ensure accuracy and replicability.
- Managed and curated complex datasets in Excel; organized geotagged photographic records for comprehensive documentation.
- Synthesized field findings into research reports and executive summaries for investigators; contributed to analytical recommendations for waste management policies.
- Collaborated with a multi-disciplinary team, upholding ethical research practices and quality assurance protocols throughout the project.

Research Assistant (Current/Aspiring)

- Participating in experimental research projects focused on artificial intelligence (AI) and computer vision.
- Initiating a systematic literature review in AI, with emphasis on critical evaluation and synthesis of existing research.
- Collaborating with faculty and senior researchers to design experiments and optimize research methodologies.

Reviewer (Manuscript Author)

Submitted: A State-of-the-Art Review of One-Pixel Attack in Computer Vision (Q1 Scopus-indexed journal; DOI: 10.22541/au.175194974.44469587/v1)

- Led a comprehensive literature review and meta-analysis on adversarial attacks, focusing on emerging trends in computer vision research.
- Managed bibliographies and sources with reference tools (Mendeley); drafted, edited, and formatted manuscript with LaTeX/Overleaf to meet academic publishing standards.
- Communicated with co-authors and supervisors, integrating feedback for manuscript revision and submission.

PROJECT

- Built and maintained web apps (MonetaFlow, CarSphere, HausOfBooks, MusiciansDirectory) with Python/Django.
- Designed databases, user authentication, and REST APIs for dynamic features.
- Delivered clean, scalable code and strong user experiences in academic and personal projects.

EDUCATION

Bachelor of Science in Computer Science and Engineering

Bangladesh University of Business and Technology

GPA **3.5** / 4.0

📅 01/2022 - 12/2025

📍 Dhaka, Bangladesh

- *Currently in 8th (final) semester, expected to graduate after this semester.*

SKILLS

Data Analysis, Literature Review, Python, Computer Vision, Deep Learning, LaTeX/Overleaf, Mendeley, Survey Design, Data Management (Excel), Report Writing, Problem Solving, Teamwork.

CERTIFICATION

AI Mastery Bootcamp: Complete Guide with Projects

Udemy, June 2025

Computer Vision for Data Scientists

Linkedin Learning, July 2025

LANGUAGES

English   Advanced ●●●○○

INTERESTS

Experimental AI & Real-World Impact

Keen to design and build innovative solutions with deep learning, computer vision, and bioinformatics, focusing on experimental work that addresses real-world challenges.

Creative Research & Innovation

Driven by studying existing literature and synthesizing knowledge to generate new ideas and approaches for advancing artificial intelligence in today's dynamic era.

STRENGTHS

Problem Solving

- Innovative approaches to complex research and technical challenges

Analytical Thinking

Skilled in synthesizing complex literature and empirical data while streamlining workflows for high-quality, impactful research outcomes.