NAWRIN SIKDER

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EDUCATION

New York Institute of Technology — Old Westbury, NY
Master of Science in Computer Science — *Expected May 2026*
Relevant Coursework: Machine Learning, Artificial Intelligence, Software Engineering, Algorithm Concepts

Stony Brook University — Stony Brook, NY
Bachelor of Science, Double Major: Health Science & Psychology — *May 2022*

WORK EXPERIENCE

The Dinner Table Documentary — Brooklyn, NY
Data Research Intern — *October 2025 - Present*
- **Collect, clean and validate datasets** from databases, surveys and internal sources, to ensure accuracy and consistency across all records.
- **Analyze and visualize** data using Excel and Google Sheets, summarizing program metrics and identifying patterns to support impact reporting.
- **Collaborate** with data analysts and program leads to translate findings into **data-driven reports and presentations** for decision-making.

New York Institute of Technology — Old Westbury, NY
Web Developer – The Campus Slate — *September 2024 - Present*
- **Design, develop and maintain** the official web publication site of NYIT's student-run newspaper, to ensure responsive performance, accessibility, and intuitive UX across devices.
- **Implement and optimize front-end architecture using HTML, CSS, and JavaScript** improving load times, scalability, and content organization.
- Digitize and integrate archived publications into an interactive online library, enhancing **searchability and long-term maintainability** of legacy content.

Head Undergraduate Teaching Assistant — *January 2024 – Present*
Courses: CSCI 312 - Theory of Computation | CSCI 235 – Discrete Structures | CSCI 380 – Introduction to Software Engineering | ETCS 108 Computer, Internet and Society
- **Lead a team of 3 TAs** supporting **750+ students** across four core Computer Science courses, coordinating grading workflows, review sessions, and digital content delivery.
- **Develop Python and Excel-based scripts** to automate grading and attendance tracking by streamlining workflows and monitoring student progression across exams, assignments and attendance.
- Facilitate technical workshops and code-review sessions covering automata theory (NFA/DFA/PDA), graph algorithms, and software design patterns, mentoring students to improve both **code quality and conceptual understanding.**

New York University Langone Health — New York, NY
Stony Brook University Hospital — Stony Brook, NY
Anesthesia Technologist Intern — *September 2022 – June 2023*
- Collaborated with **10+ anesthesiologists and CRNAs** across **15+ surgical cases daily**, configuring and preparing operating rooms (ORs) and anesthesia workstations to ensure seamless integration of medical devices, sensors and monitoring systems for high-availability surgical environments.
- Verified, calibrated, and maintained anesthesia delivery machines, ventilators, and patient monitoring interfaces, improving **equipment reliability and operational efficiency**.
- Partnered with clinicians, biomedical engineers, and IT personnel to troubleshoot device connectivity and **data-synchronization** issues, reinforcing system reliability and data integrity across critical care systems.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS
Frameworks & Libraries: React.js, Node.js, Express.js, Bootstrap
Databases: MySQL, MongoDB, PostgreSQL
Tools & Platforms: Git, GitHub, VS Code, IntelliJ IDEA, PyCharm
Concepts: OOP, Data Structures & Algorithms, REST APIs, Agile Development, Version Control