

# NAWRIN SIKDER

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## EDUCATION

### New York Institute of Technology

*Master of Science in Computer Science*

**Relevant Coursework:** Machine Learning, Artificial Intelligence, Software Engineering, Algorithm Concepts

### Stony Brook University

*Bachelor of Science, Double Major: Health Science & Psychology*

Old Westbury, NY

*Expected May 2026*

Stony Brook, NY

*May 2022*

## WORK EXPERIENCE

### The Dinner Table Documentary

*Data Research Intern*

Brooklyn, NY

*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

*Web Developer*

Old Westbury, NY

*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

### Stony Brook University Hospital

*Anesthesia Technologist Intern*

New York, NY

Stony Brook, NY

*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