

SAGOR SUTRA DHOR

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EDUCATION

City University of New York - Brooklyn College

Bachelor of Science in Computer Science

Expected Graduation - Fall 2026

Brooklyn, NY

August 2024 - Present

EXPERIENCE

Research Assistant – Brooklyn College, CUNY

Brooklyn, NY

Software Vulnerability & Defect Detection Lab (Prof. Hui Chen)

June 2025 – Present

- Built Python pipelines to extract 200+ pages of CS2023 curriculum into JSON, boosting data processing efficiency by 80%.
- Architected modular repository and Gherkin-based tests with GitHub workflows, reducing contributor onboarding time by 70%.
- Developed curriculum-to-vulnerability mapping linking knowledge areas to CVE/CWE databases, targeted for 2026 conference submission.
- Led code reviews and documentation efforts to ensure reproducibility, scalability, and adherence to modern software engineering best practices.

Information Technology Support Specialist

Dhaka, Bangladesh

February 2020 - May 2021

Service for Human Being Organization - SHBO

- Built and maintained website with HTML, CSS, and JavaScript, boosting site traffic by 30% and user engagement by 40%.
- Trained 15+ staff and provided IT support, improving operational efficiency and technology adoption by 25%.
- Implemented consistent branding and social media strategies to support events and outreach, enhancing community awareness and participation.

PROJECTS

BCStudentMart | sagor2050.github.io/BCStudentMart/

Brooklyn, NY

January 2025 - Present

React.js, Firebase (Auth, Firestore, Storage), Vite, Tailwind CSS

- Built and deployed peer-to-peer marketplace with real-time search, chat, and secure authentication for Brooklyn College students.
- Designed responsive UI and scalable architecture, enabling cross-device usability and supporting future campus-wide adoption.
- Streamlined listing and donation workflows, improving accessibility and encouraging community-driven sharing.

ChefClaude | Sagor2050/chef-claude.git

Brooklyn, NY

February 2025 - Present

React.js, Node.js, Claude API

- Developed AI-powered meal planning app integrating Claude API for personalized ingredient-based recommendations.
- Implemented Node.js backend and GitHub workflows to ensure scalability, maintainability, and smooth collaboration.
- Achieved real-time recipe generation that reduced user meal-planning effort by ~50%.

TECHNICAL SKILLS

Languages : C++, Python, Java, HTML, CSS, JavaScript

Frameworks & Tools : React, Node.js, Git, GitHub, Databases (Firebase, PostgreSQL)

Relevant Coursework : Data Structures and Algorithms, Object-Oriented Programming, Computing in Python, Web Development, Java for Programmers.