

# SADMAN KABIR

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## EDUCATION

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### BOSTON UNIVERSITY

B.S, Computer Engineering

Boston, MA  
Expected: May, 2025

### THE BRONX HIGH SCHOOL OF SCIENCE

High School Diploma

NY, NY  
June, 2021

## SKILLS

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**TECHNICAL:** C++, C, MATLAB, Python, HTML, CSS, Flask, MongoDB, CAD, 3D Printing, Verilog, Unix

**SOFTWARE:** VS Code, CLion, PyCharm, IntelliJ Idea, Emacs, Vim, Ubuntu, OnShape, Xilinx Vivado, Excel

**LANGUAGE(S):** Can speak Bengali fluently, Can read/write/speak Japanese conversationally.

**BEHAVIORAL:** Responsibility delegation/management, team communication, time management, teaching ability.

## WORK EXPERIENCE

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### Citadel Externship Software Engineering Teaching Assistant

Giant Machines (May 2023 – June 2023)

- Acted as teaching assistant for Citadel Externs during a three-week program sponsored by Citadel Securities.
- Taught and aided students in the python programming language, and web development using HTML, CSS, Flask, and MongoDB.
- Encouraged collaboration, teamwork, creative thinking and fostered good programming practices in our students.

## RELEVANT COURSEWORK

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- Calculus I, II, III, Differential Equations
- Physics I, II, Engineering Statics
- Linear Algebra
- Intro to Software Engineering, Algorithms and Data Structures
- Electric Circuits, Digital Logic Design

## PROJECTS

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- **Frontend of Automated Course Registration Application**  
*Designed and programmed the front-end of an application that registers students for classes in advance.*
  - Written in Google Dart
  - Saves, loads and allows for deletion of user chosen courses.
  - Integrated with pure python backend to register users for classes ahead of time.
  - Github link (for code and DEMO): <https://github.com/corndog-overflow/courseRegProject>
- **Pokémon Challengers: VICTORY ROAD**  
*A video game run in terminal focusing on demonstrating master of OOP principles.*
  - Written in C++
  - Heavily utilizes OOP principles
  - Github Link: <https://github.com/corndog-overflow/Pokemon-Challengers-VICTORY-ROAD>
- **Personal Website**  
*A personal website containing information about myself, contact info and my resume.*
  - Written in HTML, CSS and JavaScript

## INVOLVEMENT

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- **Boston University Mars Rover Club (Fall 2022 - )**
  - Member of the Control Systems sub team, focusing on programming robotic arm behavior with ROS2 and Moveit 2
- **Boston University Gardening Club (Spring 2022 - )**
- **Liquid Fun BU (Spring 2021 - )**
  - Liquid Fun is Boston University's Improv Comedy Club