# SAJIB RAFI HOSSAIN

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## Education

**Queens College, City University of New York**                                          Expected May 2027
*Bachelors in Computer Science, Minor in Mathematics*                                                *Queens, New York*

## Technical Skills

**Languages**: Python · JavaScript · Java · C++ · HTML · CSS

**Technologies/Frameworks**: React.js · Next.js · JQuery · Firebase · Excel

## Relevant Coursework

- Algorithmic Problem Solving, OOP, Discrete Structures, Comp Org & Assem Lang, Data Structures

## Experience

**Headstarter AI**                                                        July 2024 – September 2024
*Software Engineering Fellow*                                                                         *Remote*

- Engineered and deployed **5** AI-powered web applications, targeting scalability and user growth.
- Led a team in developing full-stack web applications using Next.js, React, Firebase, and other technologies, reducing development time by **30%** through implementing modular components and CI/CD workflows.
- Optimized workflows, enhancing project delivery speed, ensuring seamless integration of modern web technologies like OpenAI, Pinecone, Stripe, and Clerk auth.

**CodePath**                                                        September 2023 – April 2024
*Web Developer Fellow*                                                                                *Remote*

- Expanded proficiency in web development technologies, including HTML, CSS, JavaScript, and React.js, through intensive training and project-based learning.
- Integrated API calls into the website, utilizing frameworks to fetch data and parse JSON responses from an unfamiliar API.
- Facilitated team-based coding sessions, optimizing project delivery times through effective code reviews and pair programming.

**CTE Industry Scholars Program**                                                        February 2023 – April 2023
*Web Developer Intern*                                                                                *Remote*

- Designed and developed a dynamic website using HTML, CSS, and JavaScript to showcase an author and influencer's radio show, books, and events.
- Increased site visits and gained a **15%** boost in product purchases by improving user experience and implementing optimized design strategies.
- Worked closely with the media team to align digital content and visual elements, ensuring cohesive branding and promotional success.

## Projects

**AI Powered Expense Tracker**          **JavaScript, React, Next.js, OpenAI API, Firebase, Clerk, Material-UI**

- Built an AI-powered expense tracker that allows users to split costs seamlessly using natural language input, with OpenAI extracting key details like amount, participants, and balances for automated calculations.
- Integrated Firebase for real-time data storage and Clerk for authentication, ensuring secure access, persistent user data across sessions, and a seamless user experience with automated expense tracking and retrieval.

**AI Flashcard SaaS**          **JavaScript, React, Next.js, OpenAI API, Firebase, Stripe, Clerk, Material-UI**

- Developed a full-stack flashcard web app that dynamically generates, saves, and organizes flashcards using Firestore's hierarchical data structure for efficient retrieval and real-time updates.
- Integrated Stripe for subscription payments and implemented Clerk authentication, enabling secure user access, premium feature management, and a scalable payment system.

## Certifications/Awards

- ∗ IT Specialist- HTML and CSS Certification
- ∗ Wells Fargo Software Engineering
- ∗ Winner of Infy App Challenge
- ∗ EVERFI Financial Literacy Certificate
- ∗ 100+ Hours of Community Service

**Provost Scholar**                                                        August 2023 - Present