

# Kazi Sadman

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## EDUCATION

Computer Science, Bachelor of Science

Dec 2024

The City College of New York

Courses: Software Engineering, Software Design, Machine Learning, Database Systems, Operating Systems

## SKILLS

**Programming Languages:** Python, JavaScript, TypeScript, Java, C++

**Frameworks/Libraries:** React, Node.js, Next.js, Flask, NumPy

**Databases/Tools:** MySQL, SQLAlchemy, MongoDB, Firebase, Git

## EXPERIENCE

**IQSpatial – Software Engineering Intern** | Python, JavaScript, MongoDB

Jun 2024 - Present

- Developing a SaaS product where users can extract relevant information from multiple documents 50% faster.
- Store and manage documents in a database to be used in the RAG model integrated with Gemini LLM.
- Implement endpoints between the interface and application for keyword search and concept frequency analysis.

## PROGRAMS

**New York State Industries for the Disabled – CREATE** | TypeScript, React, Firebase Nov 2023 – May 2024

- Designed an internal tool (**EmployAble**) that supports rehabilitation specialists in creating observation reports.
- Partnered with Goodwill NY to ensure the application helps people with disabilities in finding employment.
- Selected to present at the CREATE Symposium in Albany to highlight assistive technology to professionals.

**CodePath – Web Development** | JavaScript, React, Node.js

Feb 2024 – Apr 2024

- Developed a website called TechTales that is dedicated to promoting discussions on emerging technologies.
- Engineered a platform that incorporates post creation, a scrollable home feed, and sorting by date or likes.
- Led the implementation of features such as commenting, editing, and upvoting to enhance user engagement.

## PROJECTS

**Computer Labs Webstore** | Python, Flask, SQLAlchemy

- Collaborated with a team to develop a Flask-based electronic marketplace with PC-building functionality.
- Implemented a robust backend in Python for the rating system to facilitate user feedback within the platform.
- Engineered user role functionalities for diverse stakeholders including store owners, employees, and customers.

**Academic Administration System** | Java, MySQL

- Developed a Java-based program to generate and display pie charts representing student grade distributions.
- Implemented CRUD (Create, Read, Update, Delete) to manage operations on students, courses, and class data.
- Architected a MySQL database schema that is utilized in prepared statement objects to execute various queries.

**Image Processing Project** | C++

- Researched key concepts to adjust individual pixels, improve surrounding detail, and transform images.
- Implemented image processing techniques like thresholding, contrast enhancement, and blurring in C++.
- Demonstrated understanding of point, neighborhood, and geometric operations to transform digital images.

## ACHEIVEMENTS/LINKS

**Zahn Social Impact Finalist** (EmployAble)

- 2<sup>nd</sup> Place winner in the 2024 Zahn Innovation Center Venture Competition for the Social Impact track.

**Brooklyn News 12 Story** (EmployAble)

- App highlighted on Brooklyn News 12 in coordination with Goodwill NY to help individuals with disabilities.