

# Easha Mashud

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## EDUCATION

### University at Albany

Albany, New York

B.S. in Computer Science

Expected Graduation, May 2026

- o **Related Coursework:** Introduction to Java, Data Structures & Algorithms, Discrete Probability, Principles of Programming Languages, System Fundamentals, Software Engineering, Operating Systems, Computer Architecture and Organization(in Progress), Database Systems (in Progress)
- o **Honors and Awards:** Dean's List - Fall 2022, Dr.Seth Spellman Jr. Academic Achievement Award Recipient  
Spellman Scholar - Fall 2023, Dean's List - Fall 2024

## EXPERIENCE

### Mathnasium | Tutor

Albany, New York

March 2025 – Present

- Taught complex math concepts to students, enhancing problem-solving and analytical skills.
- Developed personalized learning plans, demonstrating adaptability and logical reasoning.
- Improved students' mathematical thinking through structured explanations and debugging errors in problem-solving.

### Headstarter AI | Software Engineering Fellow

Albany, New York

July 2024 – September 2024

- Collaborated with a team of experienced engineers and students in a competitive fellowship program, leading the designing and development of seven user-friendly projects over a 7-week period.
- Contributed to both front-end and back-end development, implementing React to deliver cohesive, intuitive user experiences, overall improving user satisfaction for the customers using our apps.
- Developed and deployed a highly efficient, user-friendly ChatBot using React and OpenAI integrations, which students could use in overcoming obstacles related to research papers, which overall enhanced academic productivity for users.

## SKILLS

**Programming Languages:** Java, Python, HTML/CSS, Javascript, C(in Progress)

**Web Technologies:** React.js, Next.js, Node.js, MongoDB, SQL

**Tools:** IntelliJ, Eclipse, UTM, Replit, Visual Studio Code, Spring Boot, Jupyter Notebooks

**Foreign Languages:** Fluent English, Bengali, Hindi

## PROJECTS

### Data Analysis of Electric Vehicle Stations | Python, Pandas

Albany, New York

- Utilized Jupyter Notebook, Python programming language, and Pandas data analysis to process and analyze a dataset of alternate fuel stations, focusing on electric vehicle charging stations.
- Conducted data exploration, and statistical analysis to derive insights of trends in the adoption and usage of EV infrastructure.

### Fitness Tracker | RESTful API with Spring Boot

Albany, New York

- Developed a RESTful API using Spring Boot to provide CRUD( Create, Read, Update, Delete) operations for managing fitness activities.
- Implemented functionalities for retrieving all fitness activities, and accessing specific activities by ID, to enhance user experience and data management system.

## ACTIVITIES AND LEADERSHIP

### Phi Sigma Rho Women in STEM Sorority

Albany, New York

Recruitment Membership Captain

Aug 2023-Dec 2023

- Led recruitment efforts by conducting interviews, organizing community-building events, and fostering an inclusive environment for women in STEM.