

# SYEDA KHADIJA ZAHRA TIRMAZI

+16175992174 | itstirm@gmail.com | San Francisco, CA | LinkedIn | GitHub | Portfolio

## SKILLS

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**Languages:** Python, Java, JavaScript, React.js, Next.js, HTML/CSS, Ruby on Rails, SQL, Node.js, GraphQL, Node.js

## PROFESSIONAL EXPERIENCE

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### Pure Storage

Software Engineer

Santa Clara, CA, USA

January 2023 - May 2024

- Developed an automated solution for diagnosing and remediating misconfigured network settings on leased-out testing hardware
- Reduce the number of assigned JIRA tickets to the team from pseudo-misconfigured hardware by 70% by automatically resolving them

### Pure Storage

Software Engineer Intern

Mountain View, CA, USA

May 2022 - August 2022

- Developed and implemented a robust Access Control Service using REST endpoints, significantly enhancing data integrity and security across network systems
- Conducted comprehensive testing to ensure robust protection of internal data structures, coupled with optimizing SQL queries to improve system performance and efficiency.

### Brandeis University

Lead Teaching Assistant (Operating Systems)

Waltham, MA, USA

July 2022 - December 2022

- Led and coordinated a team of teaching assistants, managing schedules and delegating tasks to ensure effective support for over 100 undergraduate students.
- Designed and conducted weekly lab sessions and review classes, enhancing student understanding of complex operating systems concepts and improving course engagement.

### Brandeis University

Teaching Fellow ( Software Engineering | Advanced Programming in Java)

Waltham, MA, USA

January 2021 - May 2022

- Guided senior-level students through the completion of their capstone projects, emphasizing software development lifecycle, team collaboration, and project management.
- Coordinated with industry professionals to provide students with real-world insights and exposure, enriching their learning experience and professional readiness.

## EDUCATION

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### Brandeis University

Bachelor's, Computer Science

August 2019 - December 2022

GPA: 3.6

- Minor: Psychology, Dean's List, Cum Laude, Grace Hopper Celebration Scholarship '22, Hopper Volunteer '23, ReWriting the Code Fellowship, Wien International Scholarship, Brandeis Encourages Women in Science (BeWise Treasurer)

## PROJECTS & OUTSIDE EXPERIENCE

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### Caption-Y

Software Engineer

Boston, MA, USA

January 2022 - May 2022

- Built a search engine using Elastic Search with Python flask on the back-end and React.js on the front-end
- Utilized external API's to populate the database with information on movies and series (plots and captions)
- Technologies: Flask, Python, React.Js, Information Retrieval
- [Link to project](#)

### imgEditor

Front-End Developer

San Francisco, CA, USA

- Developed responsive user interfaces using HTML5, CSS3, and JavaScript for the imgEditor project.
- Ensured cross-browser compatibility and optimized performance with frameworks like React.js.
- Implemented accessibility standards and UI/UX best practices to enhance usability across various devices and platforms.
- [Link to project](#)