

# Hashir Shah

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## EDUCATION

Illinois Institute of Technology

**B.S. Computer Science**

Chicago, Illinois, US

Aug 2021 – Dec 2025

**Master's in Artificial Intelligence**

Jan 2024 – Dec 2025

Courses: Data Structures and Algorithms, Computer Organization & Assembly Programming, Programming Languages and Translators, Introduction to A.I.

## PROJECT EXPERIENCE

**Learners Loft** ([learnersloft.org](https://learnersloft.org))

June 2023 – Present

- Leveraged **Firebase**, **React.js**, and **Node.js** to convert a static blog into a dynamic and interactive website.
- Engineered a **responsive** and user-friendly **front-end** using **React**, improving user navigation and experience, which contributed to a 20% increase in page views and longer user session durations.
- Employed **CSS** to design and implement responsive **UI/UX**, ensuring optimal performance and accessibility across diverse devices and browsers, resulting in a 15% reduction in load times and a 10% increase in site accessibility compliance.
- Designed and implemented a robust back-end using **Node.js**, seamlessly integrating **Firebase** as the database, which led to a 40% improvement in data retrieval speed and reduced server response times by 25%.
- Deployed the website via **GitHub** and **Netlify**, implementing **continuous integration** and automated deployment, reducing deployment times by 50%, ensuring the latest content is always available to users.

**Pinboard** ([project-pinboard.netlify.app](https://project-pinboard.netlify.app))

Dec 2023 – Present

- Built an app to help college students keep track of their assignments in one place and ensure they never miss a deadline.
- Streamlined the UI development process by 40% by leveraging React renowned component-based architecture, ensuring a cohesive and user-friendly interface.
- Enhanced application stability and user experience by mitigating app state errors by 25%, emphasizing the importance of React's robust state management capabilities.
- Expedited the UI prototyping phase by 30% through the efficient and rapid design capabilities offered by Tailwind's utility-first approach resulting in a responsive, lightweight, and performant UI.
- Simplified and broadened user access with Firebase authentication, facilitating a secure login and registration process.
- Ensured a dynamic and responsive user experience for most interactions via real-time updates in Firestore.

## WORK EXPERIENCE

Illinois Institute of Technology

**Teaching Assistant (TA) for Computer Science**

Chicago, Illinois, US

Feb 2022 – Present

- Advised 25 students on how to tackle homework assignments methodically and logically
- Monitored 15 lab sessions ensuring ample support was provided to all students when needed
- Educated students on topics covered in class via short lectures
- Ensured students were well-prepared for tests, exams, and future courses, resulting in over 90% of students passing

## AWARDS

**College of Computing Dean's List (Spring 2023 / Fall 2023)**

- Secured place on College of Computing Dean's List at Illinois Institute of Technology

## LEADERSHIP EXPERIENCE

Highschool Debating Competition

**Media and IT Director**

Islamabad, Pakistan

Oct 2019 – Nov 2019

- Supervised team of 15 creative individuals
- Directed over 20 pieces of promotional videos for social media resulting in a 30% increase in outreach
- Managed photography for event, both before and during resulting in near 100% coverage of event

## TECHNICAL SKILLS

- Programming Languages: **JavaScript**, **CSS**, **HTML**, **Python**
- Frameworks/Libraries: **React**, **Node**, **Tailwind**
- Other Technologies: **Netlify**, **Firebase**, **Git/GitHub**, **MongoDB**