

# Asifur Rahman

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## Education

**The University of Arizona**, College of Science, Tucson, AZ Expected Spring 2026  
Bachelor of Science in **Computer Science**, Minor in **Business Administration and Game Design and Development**  
**Honors:** 2x Dean's List, 1x Academic Year Distinction, 4x Global Wildcat Merit Scholarship Awardee  
**Leadership Experience:** Chairperson of Public Relations — **Arizona Delta Chi Fraternity**  
Mentor & Participant — **HackArizona 2025 Hackathon**

## Technical Skills

**Languages/ Tools:** JavaScript, TypeScript, HTML, CSS, Python, React.js, Next.js, TailwindCSS, Framer Motion, Git, MongoDB, Firebase, SQL, Node.js, Express, Java, C

**More tools:** Canvas API, Bootstrap, Clerk, Vercel, Render, Netlify, Adobe CC, Figma, Canva

## Work Experience

**Undergraduate Researcher** — Electrical and Computer Engineering, UArizona May 2025 – Present

- Conducting supervised research under Dr. Eung-Joo Lee on mobile-based gaze estimation for early detection of neurological and visual disorders.
- Trained MobileViT models on MPIIGaze with knowledge distillation, achieving 25% accuracy gains for low-cost deployment in clinical diagnostics.

**IBM Science Shadow Program** — IBM, Tucson, AZ Summer 2025

- Selected for IBM's Science Shadow Program to explore enterprise infrastructure, mainframe systems, and emerging technologies through lab tours, Q&A sessions, and discussions on AI, cloud, and quantum computing.

## Projects

**JobTrackr – Interactive Job Application Dashboard**, [www.jobtrackr.site](http://www.jobtrackr.site) July 2025 – Present

*Technologies:* React.js, Next.js, TypeScript, TailwindCSS, Clerk, Recharts, Leaflet, Vercel

- Designed a responsive Kanban-style job tracker with drag-and-drop UI and interactive analytics to help users track applications visually.
- Implemented user authentication, data persistence, and geolocation-based filtering to improve productivity and usability.

**RetroWeb Emulator – Interactive WebAssembly Virtual Machine**, [GitHub](https://github.com) June 2025 – July 2025

*Technologies:* React.js, Canvas API, Framer Motion, TailwindCSS, WebAssembly, C, Emscripten

- Built a browser-based emulator UI with animated memory stepping, live register updates, and pixel rendering for interactive education.
- Enhanced clarity of low-level computation through smooth canvas visuals and Framer Motion-powered animations.

**Personal Portfolio Website – Interactive Developer Portfolio**, [www.iamasiff.com](http://www.iamasiff.com) June 2025

*Technologies:* React.js, JavaScript, TailwindCSS, Framer Motion, Vercel, Node.js, Express, MongoDB

- Developed a responsive personal website featuring animated project cards, smooth transitions, and a live contact form with backend integration.
- Showcased projects, blogs, and photography with scroll-triggered interactions and mobile-first UI design.

**AlgoViz**, [www.algovizualization.vercel.app](http://www.algovizualization.vercel.app) Feb 2025 – July 2025

*Technologies:* React.js, Flask, TailwindCSS, Framer Motion, Render, Python, DSA

- Built a web-based visualization tool to animate sorting algorithms with color-coded bar comparisons, pointer indicators, and real-time state updates.
- Improved algorithm comprehension through responsive design, animated transitions, and clean user controls for step-by-step playback.

**More projects at:** [www.iamasiff.com/portfolio](http://www.iamasiff.com/portfolio)

## Certifications

AWS Lambda Foundations (AWS); Google Project Management (Google); Eller Business Careers Institute Certificate (Eller College of Management); AI Foundations (IBM)