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, Postman, GSAP
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* — July 2025 – Present
Technologies: React.js, Next.js, TypeScript, TailwindCSS, Clerk, Recharts, Leaflet, Vercel
- Designed a Kanban-based dashboard to help users visually track 50+ job applications with drag-and-drop status management, analytics, and geolocation features.
- Implemented user authentication, data persistence, and geolocation-based filtering to improve productivity and usability.

RetroWeb Emulator – Interactive WebAssembly Virtual Machine, *GitHub* — June 2025 – July 2025
Technologies: React.js, Canvas API, Framer Motion, TailwindCSS, WebAssembly, C, Emscripten
- Simulated 8+ custom MIPS-style instructions in a browser-based emulator with animated memory stepping, register updates, and pixel output for interactive learning.
- Enhanced clarity of low-level computation concepts through smooth Canvas-based visuals and Framer Motion animations.

Personal Portfolio Website – Interactive Developer Portfolio, *www.iamasiff.com* — June 2025 - June 2025
Technologies: React.js, JavaScript, TailwindCSS, Framer Motion, Vercel, Node.js, Express, MongoDB, GSAP
- Developed a responsive personal website with Framer Motion and GSAP featuring animated project cards, smooth transitions, and a live contact form with backend integration.
- Showcased 10+ projects, blogs, and photography with a responsive layout visited by 500+ unique viewers.

AlgoViz, *www.algovizualization.vercel.app* — Feb 2025 – July 2025
Technologies: React.js, Flask, TailwindCSS, Framer Motion, Render, Python, DSA
- Visualized 8+ sorting algorithms with animated bars, comparisons, and pointer indicators for interactive learning and step-by-step tracing.
- Improved user understanding of sorting logic through responsive design, real-time state updates, and intuitive playback controls.

More projects at: 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)