# JESHAD RAHMAN

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## EDUCATION

**Arizona State University, Tempe** — *B.S in Computer Science* ***Aug.2022 - Present***

- GPA: 3.61/4.0
- Coursework - Introduction to Engineering, Object-Oriented Programming, Calculus for Engineers, Data Structures and Algorithms, Applied Linear Algebra, Introduction to Theoretical Computer Science, Distributed Software Development.

## TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript/Node.js, Java, C, C++, Bash, HTML/CSS, Go
- **Frameworks/Tools:** ASP.NET, Node.js, React Native, Git, REST APIs, Azure App Service, Docker, Figma, AWS, WCAG, SharePoint, Excel, PowerPoint
- **Environments:** Linux/Unix, Windows, macOS

## EXPERIENCE

**Irenic Therapeutic Services,** Software Engineering Intern — ***Remote*** ***July 2025 - Present***

- Built cross-platform mobile features with React Native (Expo), leveraging PostgreSQL and GCP services to deliver secure, scalable clinician–patient tools.
- Designed backend workflows with input validation, encrypted storage, and audit logging, aligning with HIPAA/PHI compliance standards.
- Led a 4-person multi-disciplinary team, balancing usability and compliance while shipping new journaling modules.
- Integrated SSO and RBAC authentication/authorization models, supporting clinician-facing workflows and reducing onboarding friction by 30%

**Web Surfing Studios,** Junior Software Engineer — ***Remote*** ***July 2025 - Present***

- Participated in structured engineering program with emphasis on Git workflows, code reviews, and collaborative full-stack development.
- Participating in onboarding and completing training.

**Institute for Digital Inclusion Acceleration,** Digital Navigator — ***Tempe, AZ*** ***Aug. 2025 - Present***

- Facilitated workshops and one-on-one technical coaching, helping 50+ community members adopt online tools for healthcare, education, and job access.
- Coordinated with partner organizations to improve digital inclusion programs reaching underserved populations.

## PROJECT EXPERIENCE

**Jeshadify** — Spotify Clone *(Personal Project)* | www.jeshadr.com

- Engineered a Spotify-inspired full-stack portfolio site with Next.js, Tailwind, and TypeScript, integrating modular components (Header, Sidebar, Search) and a dynamic search index for projects, skills, and experience.
- Implemented responsive UI/UX features including custom slide-in/out mobile navigation, adaptive layouts for tech stack, projects, and bio pages, and interactive hover states to showcase skills in a visually engaging format.
- Strengthened frontend expertise by applying scalable patterns (context providers, custom hooks, reusable components) while deepening knowledge of state management, accessibility, and mobile-first design.

**PinchDraw** — Web Application *(Personal Project)* | www.github.com/jeshadr/PinchDraw

- Built a real-time camera-based gesture app that converted pinch motions into brush strokes, exploring streaming pipelines similar to ASR/LLM orchestration using JavaScript and HTML.
- Optimized UX with fingertip-aligned rendering and mirroring for responsive interaction
- Improved fine motor precision and hand–eye coordination by aligning the brush tip with the fingertip and mirroring the camera for immediate visual feedback

**Dave's Calorie Calculator** — Web Application *(Personal Project)* | www.github.com/jeshadr/DavesCalorieCalculator

- Developed a calorie-tracking tool with dynamic user interaction flows (spice level selection, cart updates) using ASP.NET, JavaScript, and HTML.
- Deployed the application via Azure App Service with a responsive UI, practicing iterative feature deployment and versioning.

**Breast Cancer Prediction**—ML Prediction *(Personal Project)* | www.github.com/jeshadr/MachineLearningModel

- Achieved 96.5% accuracy on tumor classification using logistic regression with the Kaggle dataset in Python.
- Applied feature engineering and evaluation metrics (precision 0.97, recall 0.93, F1 0.95).
- Emphasized explainability with top predictors, aligning with healthcare AI transparency goals.