

# 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.
- Activities/Organizations: MOVE Food Pantry

## SKILLS

- **Professional Skills:** Project Management, Team Leadership, Communication, Strong Self-Discipline
- **Software/Programs:** Microsoft Office, Canva, Adobe XD, Figma, Wix, Xcode, RESTful, Linux OS, Mac OS, Windows OS, Git
- **Programming Languages:** Python, Java, JavaScript, HTML, CSS, C, C++, Bash

## TECHNICAL EXPERIENCE

**Irenic Therapeutic Services**, Software Engineering Intern — **Remote**

**July 2025 - Present**

- Implemented secure backend endpoints and storage patterns that prioritize privacy, input validation, audit trails, and encrypted data in transit and at rest
- Led a multi-disciplinary team to deliver core features for a HIPAA-aware mobile app, owning scope, sequencing, and code reviews from concept to demo readiness
- Documented architecture, standards, and onboarding guides to support modularity, reuse, and asynchronous work

**Web Surfing Studios**, Junior Software Engineer — **Remote**

**July 2025 - Present**

- Actively progressing through Phase 1 of Web Surfing Studios' software engineering program
- Participating in onboarding and completing training

**Institute for Digital Inclusion Acceleration**, Digital Navigator — **Tempe, AZ**

**Aug. 2025 - Present**

- Led interactive digital skills workshops and one-on-one sessions, helping underserved community members access and use essential online tools for education, healthcare, and employment
- Collaborated with local partners and nonprofit organizations to expand outreach and customize content for diverse learners, from young students to seniors, ensuring inclusivity and accessibility

## PROJECT EXPERIENCE

**PinchDraw** — Web Application (*Personal Project*) | [github.com/jeshadr/PinchDraw](https://github.com/jeshadr/PinchDraw)

- Built to help strengthen motor abilities by supporting physical therapy and rehab use cases, improving fine motor control and hand-eye coordination through pinch-based, camera-tracked drawing exercises
- Built a real-time web app that tracks hand pose from the camera and turns a thumb-index pinch into brush strokes on the live video feed
- Improved fine motor precision and hand-eye coordination by aligning the brush tip with the fingertip and mirroring the camera for immediate visual feedback
- Tech Stack: HTML, GitHub

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

- Built a mobile-responsive calorie tracker for Dave's Hot Chicken using ASP.NET Web Forms and custom JavaScript logic
- Integrated interactive UI features including spice-level modals, dynamic cart updates, and total calorie + price calculations
- Tech Stack: ASP.NET, JavaScript, HTML, Azure App Service, GoDaddy

**Breast Cancer Prediction** — Machine Learning Prediction (*Personal Project*) | [github.com/jeshadr/MachineLearningModel](https://github.com/jeshadr/MachineLearningModel)

- Predicts whether a breast tumor is benign or malignant from FNA cell measurements to support early triage and faster clinician decision making
- Baseline Logistic Regression achieved 96.5% accuracy on the test set with malignant-class precision 0.97, recall 0.93, and F1 0.95, indicating strong detection of malignancies with limited false alarms
- Useful for screening prioritization, second opinions in low-resource settings, and exploratory feature insights, highlighting predictors like concave points\_worst, perimeter\_worst, and radius\_worst.
- Tech Stack: Python, Kaggle