

# JAAFAR ABDEEN

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## EDUCATION

**Arizona State University**  
*Bachelor of Science in Computer Science*

Tempe, AZ  
Aug. 2022 – Dec 2026

## EXPERIENCE

**Undergraduate Teaching Assistant**  
*Arizona State University*

Jan 2025 – Present  
Tempe, AZ

- Assisted in facilitating student learning in propositional and first-order logic, proof techniques, and computational logic applications for *CSE 259 (Logic in Computer Science)*.
- Conducted office hours, and provided targeted academic support to students.
- Collaborated closely with instructors to clarify course materials and maintain an engaging and productive learning environment.

**IT Intern**

*Al Ameen Coffee Co.*

July 2024 – August 2024  
Amman, Jordan

- Managed hardware, NVR systems, and network devices (routers, access points).
- Configured POS systems, installed SQL databases, and maintained Synology NAS.
- Developed a secure PHP-based product management system with SQL integration
- Conducted IT inventory audits and resolved phishing, printer, and device issues.

**Intern**

*IrisGuard UK Ltd*

May 2022 – August 2022  
Amman, Jordan

- Resolved user software issues alongside the technical team.
- Developed an Android app using Kotlin with integrated functionalities.

## PROJECTS

**Out There Social Club** | *Next.js, Swift/SwiftUI, TailwindCSS, Firebase*

August 2025 – Present

- Developed a full-stack social platform application across web and iOS platforms with over 500 users
- Built responsive web application using Next.js and TailwindCSS with developer and manager control interfaces
- Created native iOS app with SwiftUI providing seamless user experience for social coordination features
- Implemented Firebase backend for authentication, data persistence, and cross-platform synchronization

**Workouts** | *SwiftUI, SwiftData, ActivityKit*

June 2025 – Present

- Developed a native iOS workout tracking app with comprehensive fitness analytics and progress visualization
- Implemented real-time workout sessions with rest timer notifications using ActivityKit Live Activities
- Built sophisticated personal record tracking system with Epley formula calculations for strength comparisons
- Integrated CloudKit for cross-device data synchronization and HealthKit for workout metrics

**Portfolio Website** | *Next.js, TailwindCSS, Vercel*

Jan 2021 – Present

- Designed and deployed a responsive personal portfolio website to showcase technical skills and featured projects
- Implemented modular components with Next.js App Router for clean and scalable structure
- Optimized SEO and performance with dynamic metadata and image handling

**AI Voice Model** | *Conda, Whisper, PyTorch*

May 2024

- Trained a custom AI voice recognition model leveraging Whisper's architecture for speech-to-text tasks
- Configured reproducible environments with Conda for streamlined model training and evaluation
- Experimented with dataset preprocessing and fine-tuning for improved transcription accuracy

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript/TypeScript, HTML/CSS, Matlab  
**Frameworks:** React, Node.js, Flask, JUnit, AstroJS  
**Developer Tools:** Firebase, Git, Docker, VS Code, Visual Studio, IntelliJ, Eclipse  
**Misc Tools:** Figma, Adobe Creative Suite, Linear

## LANGUAGES

**Fluent:** English, Arabic