

RUFAIDA AFRIN

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EDUCATION

University of South Florida, Tampa, FL

Bachelor of Science in Cybersecurity | Minor in Legal Studies

Expected August 2028

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, SQL, Go (Golang) | Working knowledge: C/C++, Bash

Development: React, FastAPI, HTML/CSS, REST APIs, CRUD, JSON, Git/GitHub, GitHub Actions, Netlify

Security & Systems: Linux, Windows, Nmap, Wireshark, VMware, Volatility, SQL injection, network reconnaissance, digital forensics, threat hunting, incident response, vulnerability analysis, MITRE ATT&CK

SELECTED TECHNICAL PROJECTS

ReWeird | Hardware, Go (Golang), React, JavaScript, REST APIs, CRUD, GitHub Actions

September 2026

- Built an interactive hardware-debugging experience that turns raw device telemetry into guided diagnosis using expected signals, baselines, deterministic checks, and AI-assisted reasoning.
- Developed the judge-facing "Make It Weird" simulation flow so users can inject faults, inspect abnormal telemetry, follow diagnostic evidence, test fixes, and verify recovery.

HealthThread | JavaScript, AI/LLM Integration, REST APIs, Git/GitHub | September 2026

September 2026

- Collaborated on an AI-powered health communication platform accepting speech, text, body-map, and form inputs and organizing patient-confirmed information into structured health events.
- Developed baseline and change-tracking workflows that help users identify meaningful changes and generate clearer summaries for healthcare providers.

Bridge Moments | JavaScript, HTML/CSS, Netlify

May 2026 - Present

- Designed and deployed an accessibility web app that turns stressful upcoming events into personalized visual stories, sensory previews, first-then plans, and communication supports.

Secret & API Key Detector | Python, Git, CI/GitHub Actions

February 2026

- Built configurable secret-detection rules with severity-based enforcement; integrated pre-commit and CI checks and generated JSON/HTML reports for secure-development review.

Digital Forensics & Threat Hunting | Volatility, Wireshark, MITRE ATT&CK

August 2025 - Present

- Analyzed memory dumps for anomalous processes, persistence, and network indicators; mapped findings to MITRE ATT&CK and documented repeatable investigation evidence.

Password Strength Checker | Python, FastAPI, JavaScript, REST APIs, Security Testing

- Built a password-analysis service with entropy scoring, input validation, k-anonymity breach checks, rate limiting, and a web interface without storing plaintext passwords.

Incident Response Toolkit & Vulnerability Analyzer | Python, Nmap, CVE Analysis, Network Reconnaissance

- Built incident-triage and vulnerability-analysis tools to enumerate services, surface suspicious activity, and connect detected services with relevant CVE information.

EXPERIENCE

Teaching Assistant | Discrete Mathematics

Fall 2026 - Present

University of South Florida, Tampa, FL

- Support students with logic, sets, relations, functions, proofs, and problem-solving; assist with grading and consistent feedback.

Student Assistant | Housing & Residential Education

May 2026 - Present

University of South Florida, Tampa, FL

- Respond to resident, family, and staff inquiries; explain housing processes, triage requests, maintain accurate records, and handle confidential information in a high-volume environment.

Library Assistant | Maple Leaf International School Library

August 2022 - June 2023

Dhaka, Bangladesh

- Cataloged and organized 500+ resources, maintained accurate records, and resolved information requests for students and staff.

LEADERSHIP & CERTIFICATION

Leadership: Cultural Coordinator, Bangladesh Student Association, USF (Aug 2025 - May 2026); coordinated performers, rehearsals, stage planning, volunteers, and event logistics.

Certification: Google Cybersecurity Professional Certificate | Coursera | January 2026