

SHIRINA SHAJI DANIEL

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EDUCATION

Bachelor of Arts in Computer and Information Sciences

Expected May 2027

Florida International University | Miami, Florida

- **Coursework:** Data Structures, Algorithm Techniques, Systems Programming (C), Programming I & II (Java), Software Testing, Human-Computer Interaction, Statistics for Business and Economics, Digital Forensics
- **GPA:** 3.58 / 4.00
- **Organizations:** INIT, Break Through Tech, WiCS, AWS Cloud Club, SWE, HerCampus

SKILLS

- **Programming & Development:** Python (OOP), Java (OOP), JavaScript, TypeScript, SQL, HTML, CSS, Flask, Vue, React, Tailwind CSS, Streamlit, API Design
- **Machine Learning & Data Science:** Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn, Plotly, Random Forest, Feature Engineering, LLM Integration
- **Tools:** Git/GitHub, MongoDB, Microsoft SQL Server, Docker, Linux/UNIX, CI/CD, ETL, Postman

RELEVANT EXPERIENCE

Full Stack Development Instructor | Miami, Florida

March 2026 – Present

Sprinternship™ – FIU Tech Internships

- Instruct **25–30 students** in full-stack development (**HTML, CSS, JavaScript, Vue**, backend fundamentals) across a **10-hour/week** program, with all students completing and deploying real-world web applications by the end of the term
- Earned consistent positive feedback from students for hands-on code reviews, debugging support, and project guidance that built practical engineering skills and team collaboration habits

Learning Assistant | Miami, Florida

January 2026 - Present

FIU STEM TI CUE-T

- **Supported 50+** students in HCI (CEN 3721) through active learning sessions on **UX/UI, usability testing, and interaction design**, driving improved assignment scores and higher engagement.
- Recognized by the course professor for delivering high-quality feedback on student **wireframes, prototypes, and user research** that strengthened design thinking and accelerated project outcomes

PROJECTS

My Music Page; INIT Build | <https://github.com/shirinadan/mymusicpage>

October 2025 – December 2025

- Design and implement **UI components** for a Spotify-inspired Pinterest playlist web app in a **team of 10** using **Figma, React, TypeScript, and Tailwind CSS**
- Built responsive, interactive frontend features, practicing component-based design, **Git/GitHub**, and team collaboration

Water Quality Data Project; SDIR | <https://github.com/shirinadan/Water-Quality-Project>

August 2025 - October 2025

- Built an **end-to-end data pipeline** by cleaning CSVs (**z-score outlier removal**), storing in **MongoDB**, and developing a **Flask REST API**, enabling accurate and structured access to water quality data
- Created an interactive **Streamlit** dashboard with **Plotly visualizations**, gaining hands-on experience in **Python, ETL, API** design, full-stack development, and team collaboration

Kestra; Open-Source Contributions | <https://github.com/shirinadan/kestra>

August 2025 - October 2025

- Fixed **UI icon bugs** (info, favorite) by updating **CSS variables** and spacing, ensuring consistency across **light/dark themes** in a **3-member team** using **Docker** and **Gradle**
- Applied **Agile practices** (**scrums, Git, pull requests, code reviews, CI/CD**) to improve **collaboration, workflow automation, and code quality**

Bizlens - Startup Success Evaluator; AI4ALL | <https://github.com/shirinadan/AI4ALL-Project>

May 2025 – October 2025

- Built a **machine learning pipeline** using **Python, Pandas, and Scikit-learn**, applying **5-fold cross-validation** and training a **Random Forest model**, achieving **R² = 0.68**
- Collaborated in a **team of 5** to develop and present an **end-to-end ML research project**, performing **data cleaning, feature engineering, and bias mitigation**

CERTIFICATIONS

- Modern C++: Advanced Techniques and Features
- Linux+ - CompTIA
- Microsoft SQL Server - CompTIA
- Google – Startup School: Prompt to Prototype