

# Raul Mendy

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## EDUCATION

### Florida Atlantic University

B.S. Computer Science (GPA 3.8), Minor in Cybersecurity

Boca Raton, FL

(May 2024)

### Tufts University

B.S. Community Health (GPA 3.5)

Medford, MA

May 2019

## RELEVANT COURSEWORK

Programming in C/C++, Python Programing, Web Development, Data Structures and Algorithms, Discrete Math, Matrix Theory, Linear Algebra, Cryptography, Computer Architecture, Artificial Intelligence, Database Systems, Object-Oriented Programing, and Operating Systems

## TECHNICAL SKILLS

**Languages:** Python, C, C++, JavaScript/HTML/CSS, Java, SQL

**Tools:** Git, Linux/Unix, Azure, Docker, Jira, Gradle, Maven, MS Project, SPSS

**Frameworks/Libraries:** Pandas, NumPy, PyTorch, OpenCV, Nodejs, Cryptopp, Flask, Jenkins, Jest

## EXPERIENCE

### Florida Power and Lights

May 2023 – September 2023

Software Research Intern

Boca Raton, FL

- Developed LSF model and interface for multimodal data analysis for enhancing Prognostic Health Management of smart grid power transformers which achieved 98.7% fault classification accuracy. [https://github.com/mendyraul/FPL\\_Datasets](https://github.com/mendyraul/FPL_Datasets)
- Authored and submitted research paper showcasing project's technical and practical contributions

## PROJECTS

### Encryption/Decryption Website | *HTML, JavaScript, jQuery, SQL*

January 2023 – Present

- Designed and built a user-friendly website enabling secure communication through private key encryption and implemented database for generating and managing ciphertexts, enhancing data privacy and confidentiality.

### Precious Puppies' Adoption Website | *HTML, Flask*

May 2023 - Present

- Created a dynamic website for 'Precious Puppies' rescue center contributing to efficient animal placements. Streamlined user experience and rehoming processes with features included uploading animal profiles and adoption applications.

## LEADERSHIP AND EXTRACURRICULARS

### Argentina National Lacrosse Team

Buenos Aires, Argentina

*Captain*

May 2018-Present

- Played in the FIL World Lacrosse Championship in Netanya, Israel
- Placed 19 out of 45 Countries

### Pets In Distress

Fort Lauderdale, FL

*Vice President*

June 2013-Present

- Manage over 30 volunteers for fostering animals and working adoption events
- Make executive decisions on major company issues and policies

## LANGUAGES

- Fluent in Spanish, Proficient in French