

# Raul Mendy

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## EDUCATION

<b>Florida Atlantic University</b> B.S. Computer Science (GPA 3.9), Minor in Cybersecurity	Boca Raton, FL (May 2024)
<b>Tufts University</b> 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, Software Engineering, Discrete Math, Matrix Theory, Cryptography, Computer Architecture, Artificial Intelligence, Database Systems, Object-Oriented Design, and Operating Systems

## TECHNICAL SKILLS

**Languages:** Python, C, C++, JavaScript/HTML/CSS, Java, SQL,  
**Tools:** Git, MongoDB, Google Cloud, Azure, Docker, Jira, Gradle, Maven, PostGRES, Flask, Angular, Pandas, NumPy, PyTorch, OpenCV, Nodejs, Cryptopp, Jenkins, Jest, Angular, TensorFlow

## EXPERIENCE

<b>Florida Power and Lights</b> Software Research Intern	May 2023 – Present Boca Raton, FL
<ul style="list-style-type: none"><li>Developed LSF model and interface for multimodal data analysis for enhancing Prognostic Health Management of smart grid power transformers which achieved 98% fault classification accuracy.</li><li>Authored paper published to International Conference on Machine Learning and Applications '23 <a href="https://ieeexplore.ieee.org/document/10459800">https://ieeexplore.ieee.org/document/10459800</a></li></ul>	

## PROJECTS

<b>Encryption/Decryption Website</b>   <i>HTML, JavaScript, jQuery, SQL</i>	January 2023 – April 2023
<ul style="list-style-type: none"><li>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. <a href="https://mendyraul.github.io/pages/encryption.html">https://mendyraul.github.io/pages/encryption.html</a></li></ul>	
<b>Flight Analysis Website</b>   <i>Python, SQL</i>	August 2023 - Present
<ul style="list-style-type: none"><li>Deployed dynamic website and ETL pipeline to ingest flight data from Miami International Airport and automated data collection into a cloud environment. The live feed pulls from the created database and projects arriving and departing flights as well as numerous performance indicators. <a href="https://flight-tracker-mia-86993c1b25bf.herokuapp.com/">https://flight-tracker-mia-86993c1b25bf.herokuapp.com/</a></li></ul>	

## LEADERSHIP AND EXTRACURRICULARS

<b>Argentina National Lacrosse Team</b> <i>Captain</i>	Buenos Aires, Argentina May 2018-Present
<ul style="list-style-type: none"><li>Played in the FIL World Lacrosse Championship in Netanya, Israel and placed 19<sup>th</sup></li></ul>	
<b>Pets In Distress</b> <i>Vice President</i>	Fort Lauderdale, FL June 2013-Present
<ul style="list-style-type: none"><li>Manage over 30 volunteers for fostering animals and working adoption events.</li><li>Make executive decisions on major company issues and policies.</li></ul>	

## LANGUAGES

- Fluent in Spanish, Proficient in French