

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, PHP
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 Software Research Intern	May 2023 – September 2023 Boca Raton, FL
<ul style="list-style-type: none">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. https://github.com/mendyraul/FPL_DatasetsAuthored paper published to International Conference on Machine Learning and Applications '23	

PROJECTS

Encryption/Decryption Website <i>HTML, JavaScript, jQuery, SQL</i>	January 2023 – Present
<ul style="list-style-type: none">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.	
Flight Analysis Website <i>Python, SQL</i>	August 2023 - Present
<ul style="list-style-type: none">Created a 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.	

LEADERSHIP AND EXTRACURRICULARS

Argentina National Lacrosse Team <i>Captain</i>	Buenos Aires, Argentina May 2018-Present
<ul style="list-style-type: none">Played in the FIL World Lacrosse Championship in Netanya, Israel and placed 19th	
Pets In Distress <i>Vice President</i>	Fort Lauderdale, FL June 2013-Present
<ul style="list-style-type: none">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