EDUCATION

**Florida Atlantic University** Boca Raton, FL

B.S. Computer Science(GPA 3.8), Minor in Cybersecurity (May 2024)

**Tufts University** Medford, MA

B.S. Community Health *(GPA 3.5)* 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** 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% fault classification accuracy.

[*https://github.com/mendyraul/FPL\_Datasets*](https://github.com/mendyraul/FPL_Datasets)

* Authored paper published to International Conference on Machine Learning and Applications ‘23

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. *https://mendyraul.github.io/pages/encryption.html*

**Flight Analysis Website |** *Python, SQL*  August 2023 - Present

* 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.

*https://git.heroku.com/flight-tracker-mia.git*

LEADERSHIP AND EXTRACURRICULARS

**Argentina National Lacrosse Team** Buenos Aires, Argentina

*Captain* May 2018-Present

* Played in the FIL World Lacrosse Championship in Netanya, Israel and placed 19th

**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