**[Ammar Algaithy](https://ammar-algaithy.github.io/My-portfolio/)**

[algaithyammar@gmail.com](mailto:algaithyammar@gmail.com) | +1(347) 801-6000 | New York, NY

**EDUCATION**

**Canisius University - Buffalo, NY Aug 2020 - May 2024**

Double Major in Computer Science & Data Science

* Relevant coursework: Data Structures and Algorithms, Database, Software Engineering, Advanced Statistics, OS, Web Development, Large Scale Programming, Reporting and Analysis, Machine Learning, and more.

**EXPERIENCE**

**Computer Science for Cyber Security:** Participant at NYU Tandon School of Engineering **Brooklyn, NY**

* Designed, implemented, and maintained security-focused databases during a rigorous three-week cybersecurity program, enhancing data integrity for simulated environments.
* Employed advanced SQL techniques to manage and safeguard relational databases from SQL Injection vulnerabilities, significantly enhancing data security in project simulations.
* Participated in weekly workshops and seminars on cutting-edge cybersecurity practices, including white-hat hacking and digital forensics, applying learned techniques to enhance project defenses.

**Comprehensive Youth Development:** Academic Tutor **New York City, NY**

* Provided targeted math and biology tutoring to over 20 students, enhancing algebra skills, and improving NY State Regents exam scores by an average of 15%.
* Collaborated with a team of 10 educators to develop and implement personalized learning plans, boosting student performance by 20% across key subjects like math and science.

**Grocery Market (Resyan Grocery Corp.):** Treasurer/Cashier **New York, NY – 2022 to Present**

* Managed over 1,000 weekly financial transactions with 100% accuracy and ensured full regulatory compliance as the store treasurer.
* Provided customer service, resolving issues for up to 50 customers daily, enhancing customer satisfaction.

**PROJECTS**

**ANTI-DYSPRAXIA GLOVE**

* Designed and engineered the Anti-Dyspraxia Glove using advanced sensor integration to aid children with dyspraxia, enhancing their hand movement control and daily activities.
* Developed algorithms to analyze sensor data in real-time, enabling dynamic feedback and improved accuracy in movement assistance.

**SEPSIS SURVIVAL PREDICTOR**

* Engineered a predictive machine learning model using Python, TensorFlow, and scikit-learn to forecast sepsis survival rates, focusing on high-risk patient groups.
* Conducted comprehensive data preprocessing and feature extraction from diverse medical datasets, resulting in a robust model training process.
* Accomplished model validation with a PR AUC of 97% and ROC AUC of 70%, validating the predictive accuracy and clinical applicability of the model.

**LIBROTECH: Flask Backed Book Review Web App**

* Independently developed a book review web app using Python, Flask, SQLite, HTML, CSS, and JavaScript., focusing on efficient backend development and user-friendly interface design.
* Integrated web scraping with BeautifulSoup to enhance content.

**SKILLS**

* **Technical Skills**: Python, R, Java, MySQL, Git, VSCode, IntelliJ, Tableau, Basic JavaScript and PHP, Docker, Linux, Agile Methodology, Excel, HTML, CSS, React, C++, Data Analysis, and Machine Learning.
* **Soft Skills:** Leadership, Critical Thinking, Team Playing, Problem Solving, Passionate, Attention to Details
* **Certificates:** IBM: Intro to Cloud Computing, IBM: Intro to Web Development, Meta: Programing in Python, Code Path: Intro to Cybersecurity, IBM: Getting Started with Git and GitHub.