Ameer Rahman

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EDUCATION

CUNY City College of NY Harlem, NY
Bachelor of Science in Computer Science *Aug. 2023 – May 2024*

Rutgers University New Brunswick, NJ
Bachelor of Science in Computer Science, Minor in Critical Intelligence Studies *Aug. 2024 – May 2027*

EXPERIENCE

IT Help Desk Intern February 2024 - Aug 2024
Michael Motazedi C.P.A. *Jamaica, NY*
- Improved **operation systems**, minimized network issues, and provided technical and hardware assistance
- Protected sensitive client data by implementing **backup systems**, routine maintenance and troubleshooting, creating a smooth **digital infrastructure**

Teaching Assistant January 2024 – May 2024
City College of New York *Harlem, NY*
- Mentored and taught a classroom of 40 students, reteaching **programming concepts**, and **debugging techniques**
- Coordinated lesson plans and office hours with other teaching assistants, ensuring availability for students

IT Assistant Teacher July 2023 – December 2023
CommonPoint Queens *New York, NY*
- Designed age-appropriate activities and interactive lessons to teach cybersecurity fundamentals in an engaging and accessible way
- Taught 30 students core digital safety topics, including recognizing **phishing scams**, avoiding unsafe websites, and protecting personal information online

PROJECTS/LABS

AI Object Detector | Github | *Python, YOLOv8, OpenCV, TensorFlow* May 2025 – Present
- Engineered a real-time object detection system using **YOLO, TensorFlow GPU, and OpenCV**, achieving **90 percent accuracy** in identifying and classifying objects across diverse datasets
- Deployed a scalable solution with a **streamlined UI**, enabling seamless integration for applications in **security**, retail analytics, and **autonomous systems**.

File Transfer | Github | *Python, TCP Sockets, File I/O, Client-Server Architecture* April 2025 – Present
- Utilized Python to secure file storage system with password-based **AES encryption**
- Used **cryptography.fernet** to encrypt and decrypt files with keys that came from passwords
- Created a **CLI-based user interface** for file encryption, decryption, and storage with error handling

Network Packet Analyzer | Github | *Python, String Manipulation* March 2025 – Present
- Created a feature to visualize word frequency using **matplotlib** and getting vocabulary patterns
- Used word filtering, case standardization, and string cleaning to improve accuracy and reflect **NLP processing**
- Guaranteed reusable functions and error handling for file operations with **CLI flexibility** for file destinations

EXTRACURRICULAR

Colorstack National | *New Brunswick, NJ* January 2025 – Present
- Participated in tech-focused workshops to advance professional development and programming abilities
- Attended networking events with industry professionals and peers from underrepresented backgrounds in tech

Rutgers SAS First Together Mentorship | *New Brunswick, NJ* November 2024 – Present
- Participated in career development for first-generation college students
- Collaborated with alumni and peers through mentorship circles focused on career readiness

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, C/C++, R
Development: Git, VS Code, IntelliJ, React, Node.js, JUnit, REST APIs
Certifications: Coursera Google Cyber Security, Coursera Google Data Analytics, CompTIA Security+