

SIDDIQ MOHAIDEEN

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Education

Rensselaer Polytechnic Institute (RPI)

Bachelor of Science in Information Technology & Web Science

May 2027

3.21/4.0 GPA

Relevant Coursework

- Computer Science 1 (Python)
- Data Structures (C++)
- Rensselaer Center for Open Source [RCOS]
- Foundations of Computer Science (Discrete Math)
- Website Science Development (MERN framework)
- Computer Organization (C, MIPS, Bash)

Extracurricular / Certificates

CyberSEED 2025 Finalist (10th Place): Competed as part of **Rensselaer Cactus Collabratory** in UConn's CyberSEED CTF, a national cybersecurity competition against top university teams, solving challenges in web exploitation, cryptography, reverse engineering, forensics, network traffic analysis, etc.

National Cyber League (NCL) Competition — Individual Game (Spring 2025): Specialized in OSI, Log Analysis, and Scanning & Reconnaissance. Ranked in the top 15% of 8542 players.

RPI Quantum Researcher: Using RPI's IBM Quantum Computer to crack pseudo-RSA encryption

RPI-SEC & Rensselaer Cybersecurity Collabratory: Attend weekly meetings to learn about binary exploitation, network security, and play CTFs. Currently, part of RCC's Quantum research team.

ITWS Student Mentor: Assist one freshman ITWS student transition to RPI's ITWS program

Acacia Fraternity - Rensselaer Chapter: Be a brother, contribute to house duties

CompTIA Security+ (Certificate Code: F4YLWSZ63BV4Q63L)

July 2024

AWS Certified Cloud Practioner (Validation #: 0e2fc65fd29a4cd3b659ddd5b86a8221)

January 2025

Experience

New York State Energy Research and Development Authority (NYSERDA)

June 2024 – Present

Business Analyst Intern

Albany, NY

- Consolidating closed Mini-Bids for data insights on NYSERDA's approved vendors and internal use, while performing QA/QC on **Tableau** data to support weekly internal reports.
- Acquired **Salesforce** proficiency, converting six projects from Excel to Salesforce, and updating NYSERDA's Knowledge Base (Confluence) for their Salesforce module—GPM (Generic Project Management).
- Updating and creating SeamlessDocs forms once per month per project manager requests, ensuring Velocimo's seamless integration with **SharePoint**, while analyzing potential alternatives for business decisions.
- Created 20+ **JIRA** tasks related to SeamlessDocs/SharePoint issues, using JIRA for task management and ticketing. Presented in an authority-wide meeting to share summer internship experiences.

Projects

Rensselaer Center for Open Source (RCOS) | *Docker, Kubernetes*

January 2025 – Present

- Participating in IBM-mentored open source development program focused on the Tornjak project
- Developing hands-on experience with container orchestration technologies including Kubernetes and Docker
- Creating documentation related to the Tornjak Manager
- Learning cloud-native security principles under direct guidance from IBM project representative

RCOS Project - Sobremesa | *Remix (React), Postgres, Go*

September 2024 – December 2024

- Designed 5+ intuitive user flows in **Figma**, improving platform responsiveness and usability.
- Implemented secure user authentication system using **Go**, handling user registration, login validation in **Postgres** database.
- Leading security enhancements including bcrypt password hashing, salt generation, and implementing password recovery flow to ensure robust user data protection and comply with modern security standards.
- **GitHub:** <https://github.com/sobremesa-video/sobremesa>

HackRPI Project - Midnight Walker | *TensorFlow.js, HTML/CSS, Javascript, Azure*

November 2024

- Developed an web app, under 24 hours, that showcases the idea of reducing the brightness of streetlights if people aren't in the field of view of the light.
- Presented the product to a panel of 5 judges, stakeholders, and peers, highlighting its potential impact on energy efficiency and urban lighting.
- **Deployed using existing Azure Virtual Machine infrastructure:** <https://midnightwalker.pages.dev/>

Technical Skills

Languages: Python, C/C++, HTML/CSS, JavaScript, SQL, Postgres

Security Tools: Nmap, Kali Linux, Wireshark, Burp Suite, OWASP ZAP, Hashcat, Nessus, VM Ware

Technologies/Frameworks: Agile(Scrum), Linux (WSL), RestAPI, GitHub, Microsoft Office, Asana, NIST Cyber Security Framework, ISO 270001