

MRUNAL ATHALEY

Troy, NY | <https://athalm.github.io/> | www.linkedin.com/in/mrunal-athaley | athalm@rpi.edu | +1 (518)-961-7842

EDUCATION

Rensselaer Polytechnic Institute – Troy, NY

Bachelor of Science in Computer Science and Information Technology and Web Science

- Dean's Honor List Fall 2022, Spring 2023, Fall 2023, Spring 2024, Fall 2024, Spring 2025

Oracle Cloud Infrastructure 2023 Certified Foundations Associate

ISC2 Official CC Course Certified

Expected Graduation: December 2025

GPA: 3.88/4.00

November 2023 – November 2025

November 2023 – November 2025

EXPERIENCE

Software IT Technologies Intern

May 2024 – August 2024

New York Independent System Operator (NYISO) – Rensselaer, NY

- Penetration Testing: Identified an XSS vulnerability in a web application, documented findings, and recommended remediation steps in a detailed security report.
- API Development: Designed and implemented two GET API endpoints for an upload/download bidding system using Spring Boot and Java. Followed Agile practices throughout the development process.
- Custom Data Grid Component: Built a custom data grid component using React, Vite, TypeScript, and TanStack Table, addressing the need for a robust data grid solution without incurring licensing costs associated with commercial libraries.
- Presented a poster to all peers, co-workers and top company leadership including the CEO on internship activities and engaged in Q&A sessions to explain project outcomes and methodologies.

Undergraduate Researcher

January 2024 – May 2024

Research in KR of Survey Data (Application of Semantic Web in Bioinformatics) – Troy, NY

- Produced and updated semantic data dictionaries for select datasets from the National Health and Nutrition Examination Survey.
- Explored existing techniques for working with graph data (RDF, SPARQL, OWL).
- Proposed an application to enable variable search over the semantically described datasets.

IT Helpdesk Consultant

September 2022 – present

Voorhees Computing Center – Troy, NY

- Interacting with students, staff, and faculty by phone, email, or in-person to provide technical support.
- Diagnosing and resolving software and hardware issues.

LEADERSHIP AND ACTIVITIES

Undergraduate Computer Science Mentor

January 2025 – present

Computer Science Department (CSCI 2300 Introduction to Algorithms) – Troy, NY

- Assisting students in understanding algorithms concepts, problem-solving strategies, and coding implementations.
- Providing guidance on homework, exam preparation, and debugging code implementations.

Organizer – Sponsorship Team

September 2023 – December 2024

HackRPI Organizing Team – Troy, NY

- Identified and reached out to prospective sponsors and alumni connections to secure support for the hackathon.
- Played an integral role in the pre-event preparations and event setup, including participant check-in.

Secretary and Programming Chair

January 2024 – May 2024

Girls Who Code – Troy, NY

- Played a crucial role in reviving a dormant GWC chapter and transforming it into a dynamic and active club on campus.
- Led the ideation and planning of programs such as coding workshops, guest speaker events, and collaborative projects, fostering a supportive community for members.

PROJECTS

Backend Developer

January 2025 – May 2025

Meliora Law – ITWS Capstone Term Project

- Built a secure client intake system to automate legal workflows, including conflict checks, document generation, and scheduling.
- Designed and configured the backend database and role-based routing logic to manage permissions and data access.
- Integrated NetDocuments and Clio for seamless legal data management and ensured encryption and authentication for secure handling.

Full Stack Developer

September 2024 – December 2024

Connect Center for Youth – Managing IT Resources Term Project

- Developing and maintaining a centralized platform facilitating the posting and discovery of campus lab and research opportunities.
- Utilizing Python-Flask for backend development and React and JavaScript for frontend components.

Full Stack Developer

September 2023 – January 2025

LabConnect – Rensselaer Center for Open Source

- Developing and maintaining a centralized platform facilitating the posting and discovery of campus lab and research opportunities.
- Utilizing Python-Flask for backend development and React and JavaScript for frontend components.

Full Stack Developer

November 2023 – November 2023

SpeakEasy – HackRPI X Hackathon

- Created a fully working chatbot within 24 hours capable of transcribing the user's spoken words into text and responding in a natural conversational style using the Google Cloud and ChatGPT API.

SKILLS

Web Development: HTML, CSS, JavaScript, TypeScript, React, NodeJS, Express, PHP, jQuery, AJAX, JSON, XML, Bootstrap, Website Design

Backend Development: Python, Java (Spring Boot), REST API, MySQL, MongoDB, PostgreSQL

Programming Languages: C, C++, Java, MIPS, Verilog, Haskell, Prolog, Erlang, SALSA

Data Analysis: R, Pandas, Data Mining

Tools & Platforms: Version Control: Git, GitHub, Microsoft Azure, Oracle Cloud Infrastructure, Vite, Vitest, Figma, Balsamiq

Additional Skills: DevOps, Algorithms, Penetration Testing, Cost Benefit Analysis

Languages: English, Marathi, Hindi, German