

MRUNAL ATHALEY

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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

Expected Graduation: December 2025

GPA: 3.87/4.00

Oracle Cloud Infrastructure 2023 Certified Foundations Associate

November 2023 – November 2025

EXPERIENCE

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

May 2024 – August 2024

Software IT Technologies Intern

- Rotated through three key projects, contributing to various aspects of software development and security.
- 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, Vitest, TypeScript, and TanStack Table, addressing the need for a robust data grid solution without incurring licensing costs associated with commercial libraries.
- Presented a poster on internship activities and engaged in Q&A sessions to explain project outcomes and methodologies.

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

January 2024 – May 2024

Undergraduate Researcher

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

Voorhees Computing Center – Troy, NY

September 2022 – present

IT Helpdesk Consultant

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

Leap & Scale – Pune, India

May 2019 – May 2019

Summer Intern

- Worked with a team on the project ideation of IoT-based swim gear with an app component that would allow users to track different health stats such as heart rate, swim speed, blood pressure, etc.
- Gained experience in IoT technology and cloud computing.

Infosys – Pune, India

May 2018 – May 2018

Summer Intern

- Acquired experience in HTML, CSS, JavaScript for web development.
- Demonstrated leadership by spearheading a collaborative team of interns in conceiving and crafting a movie ticketing website, resulting in a second-place award for the project's excellence.

LEADERSHIP AND ACTIVITIES

Girls Who Code – Troy, NY

January 2024 – May 2024

Secretary and Programming Chair

- 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.

HackRPI Organizing Team – Troy, NY

September 2023 – present

Organizer – Sponsorship Team

- Identifying and reaching 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.

PROJECTS

SpeakEasy – HackRPI X Hackathon

November 2023 – November 2023

Full Stack Developer

- 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.

LabConnect – Rensselaer Center for Open Source

September 2023 – present

Backend Developer

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

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

Programming Languages: C, C++, Java, MIPS, Verilog

Data Analysis: R, Pandas

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

Additional Skills: DevOps, Algorithms, Penetration Testing

Languages: English, Marathi, Hindi, German