Afsana Bhuiyan

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Education

COOP Careers - Data Analytics Fellow   June 2025
- Engaged in a 16-week fellowship program, acquiring expertise in data cleaning, transformation, analysis, and visualization using SQL, Python, and **Tableau**, alongside continuous professional development

Rensselaer Polytechnic Institute   May 2024
Bachelor of Science in Computer Science
- **Coursework**: Data Science, Database Systems, Interactive Data Visualization, Human & Machine Learning
- **Extracurricular Activities**: Discrete Math Teaching Assistant, Girls Who Code Club President

Technical Skills & Certifications
- **Certifications**: Google Analytics Professional Certificate (Coursera), Asana Foundations Skill Badge
- **Programming Languages**: Python, SQL, JavaScript, HTML/CSS, C++, C, Java
- **Tools & Technologies:** Tableau, Excel (Pivot Table and VLOOKUP), Git, React, d3.js, Flask, Firebase, Junit, API

Work Experience

ISO New England   **Holyoke, MA**
Software Engineer Intern   June 2023 – December 2023
- Tested internal web app with JUnit, achieving 85% code coverage and 4% performance boost.
- Developed automated email system using Java, Spring Boot, Maven, and Apache Camel that processed millions of records and improved data retrieval by 20%.
- Analyzed test data in Excel to generate visualizations of key metrics.
- Built dynamic graphs using Java and PL/**SQL**.
- Demonstrated problem-solving, presentation skills, project management, time management, and multitasking skills.

Girls Who Code   **Remote**
Teaching Assistant   June 2022 – August 2022
- Led 3-hour coding lessons for 40+ students, on web development fundamentals with **JavaScript**, HTML/CSS.
- Hosted weekly office hours and mentoring sessions, providing personalized guidance and support to help students successfully complete projects and refine their career/academic goals.
- Demonstrated leadership, communication, organization, and collaboration skills.

Projects

Jet Genie   February 2025
- Developed a full-stack travel planning web application using **React**.**js**, **Flask**, and **Firebase**, featuring a drag-and-drop itinerary builder, Google Maps integration, and an AI-powered activity recommendation engine using Groq **API**.
- Demonstrated time-management skills, ability to work under pressure, teamwork skills.

Movie Mate   November 2024
- Developed a responsive web app providing personalized movie recommendations with advanced filtering options for tailored suggestions.
- Designed an intuitive frontend using **HTML**, **CSS**, and JavaScript, optimized for responsiveness and a secure backend with **Python** (Flask) for API integration and server-side logic.

Genre Galaxy   April 2024
- Led development of interactive **dashboard** with Python to visualize literary genre relationships from Goodreads data.
- Processed and analyzed **dataset** of over 10,000 books, generating network graphs with NetworkX to map co-occurrence patterns of 100+ genres, optimizing data representation for enhanced insights into genre dynamics.