

# Neelaza Dahal

South Riding, VA | [nd389@njit.edu](mailto:nd389@njit.edu) | 571-626-0135 | <https://www.linkedin.com/in/neelaza-dahal/>

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## EDUCATION

New Jersey Institute of Technology

**B.S. in Data Science**

*September 2021 - May 2025*

**Relevant coursework:** Calculus I and II, Programming in Python, Programming in Java, AP Computer Science, AP Microeconomics, AP Macroeconomics, Linear Algebra, Probability and Statistics, Data Structure and Algorithms

**Skills:** Python (Pandas), Java, JavaScript (React.js), CSS, HTML, GitLab, Node.js, AWS, Microsoft Office, Canva, Figma

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## EXPERIENCE

**Software Engineer Intern — Nuveen, TIAA**

*June 2023 - Present*

- Played a crucial role in enhancing technology products and implementing data-driven solutions to benefit investment professionals.
- Utilized data science techniques to optimize the investment analytics portal, streamlining access to price yield information for bonds by investment professionals.
- Developed a cutting-edge React-based widget, seamlessly integrating it with an API containing price history of the securities, enabling real-time quantity and yield visualization of securities.
- Successfully boosted the user-interface (UI) portal usage by 20%, empowering investment professionals with advanced data visualization for making informed decisions.

**Public Relations Manager — Lyra**

*December 2022 - Present*

- Curated and developed engaging STEM-related content for sharing on company social media platforms.
- Conducted thorough research on the company's user base to decide the most suitable content style and tone.
- Implemented effective social media strategies resulting in a 10% increase in engagement on Instagram.

**Classroom Assistant — NJIT**

*September 2022 - May 2023*

- Aided over 35 students in understanding the programming language Python and its fundamental concepts by evaluating supplementary materials.
- Provided personalized tutoring during office hours, using visualization techniques to teach the essentials of Python to each student individually.

**Undergraduate Research Student — NJIT**

*January 2023 - March 2023*

- Conducted in-depth research on Environmental Justice, specifically analyzing climate change's impact on individuals.
  - Synthesized diverse metadata to gain comprehensive insights into the subject matter.
  - Employed data mining techniques to reveal patterns and valuable insights on climate change and its social consequences.
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## LEADERSHIP

**Fundraising Coordinator — Women in Computing Society**

*January 2023 - Present*

- Improved campus visibility through proactive tabling initiatives, effectively engaging with students, and promoting awareness of the Women in Computing Society.
  - Coordinated and organized fundraising opportunities for volunteers, skillfully managing scheduling to ensure optimized event execution.
  - Achieved a 30% increase in participation rate and a 50% increase in fundraising profits as a direct outcome of successful fundraising initiatives.
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## PROJECTS

**Retirement Portal — TIAA Hackathon**

*July 2023*

- Participated in a two-day company-wide hackathon where I took the lead in front-end development to design and develop a personalized retirement planning solution. Leveraging Gen AI, our engaging Retirement UI featured essential metrics like savings percentage and travel expenses.
- Seamlessly connecting the front-end to the back end, our impactful solution catered to three distinct profiles: individuals with minimal disposable income, beginner investors seeking personalized retirement information, and budget-conscious savers looking to start their retirement savings journey.
- The solution was developed in AWS distribution list, ensuring scalability and efficient deployment to benefit a wider audience. The project aimed to educate peers on the essentials of retirement, providing personalized insights to empower them in their financial journey.