

# Vishram Doodnauth

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## Professional Experience

- Assistant Center Director & Mathematics Lead Instructor, Mathnasium of Williamsburg Aug 2024 – Feb 2026  
Having this assistant role, I inherit the responsibility of overseeing the teaching of math lessons to 100+ students. Through a collection of data, I can present findings (successes and failures) in detailed case studies to the team and contribute to decision-making and program enhancements. 2 researched case studies done and presented in staff meetings.
- Associate in Retail Sales, The TJX Companies, Inc Aug 2023 – Apr 2024  
Gaining skills in both the service and sales industry, this position allowed me to communicate hundreds of products' values to customers and effectively drive up the company's sales. Weekly gross sales hovered over 1 million dollars.
- Undergraduate Teaching Assistant, Department of Mathematics, Florida State University Aug 2022 – May 2023  
I conducted regular tutoring sessions in groups of 15 to 30 college students, to clarify algebraic math concepts. I also assisted and mentored students in developing effective study strategies and time-management skills.
- Teaching Assistant, McNab, Broward County Public Schools Aug 2017 – May 2021  
Volunteered at my previous elementary institution to assist teachers with lesson preparation and curriculum implementation and gained over 250 community service hours doing so.

## Education

- Master's degree in Applied Sciences, concentration in Computer Science, Harvard University 2026 - 2028
- Bachelor of Science in Mathematics, concentration in Computer Science, New York University 2023 - 2026

## Relevant Undergraduate Coursework

Calculus (I, II & III), Discrete Mathematics, Linear Algebra, Tech Management, Data Structures and Algos, Numerical Analysis, Ordinary & Partial Differential Equations, Probability & Statistics, Complex Variables, Object Oriented Programming, Natural Language Processing, Databases, Applied Analysis, Combinatorics, Math Modeling, Financial/Managerial Accounting, Business Statistics, Micro & Macro Economics, Business Calculus, Data Analytics, Marketing, Risk in Business, and Physics (I, II & III).

## Projects & Research

- FinGuard Analytics*, J. Chan, V. Doodnauth, S. Gadde, M. McQuillan, M. Larsson, S. Arfaoui, 2026  
Courant Institute of Mathematics, Computing, and Data Science, New York University.  
Credit Card Fraud Detection.
- Mercer Street Prep*, V. Doodnauth, Personal Project 2026  
Using JavaScript, HTML, CSS, and JSON, I created an online platform where high school students can practice reading and comprehension and math-related SAT questions. 2000+ lines of code implemented.
- Contextual Data Type Entity Recognition in Privacy Policies*, B. Li, V. Doodnauth, S. Yang, C. Ke, A. Meyers, 2025  
Department of Linguistics, New York University.  
A hybrid NLP system using BERT and linguistics to extract and classify data collection from privacy policies.
- Reflection, Refraction, and Polarization of Light – Snell's Law and Brewster's Angle*, V. Doodnauth, L. Ali, 2025  
N. Shakya, Department of Applied Physics, New York University.
- Say-It*, O. Alabi, K. K. Ahmed, V. Doodnauth, A. Temal, New York University Hackathon. 2024  
This app is an MVP for an anonymous, proximity-based chat platform where users message others within a chosen distance. Our app is meant to be used in any public area so people could voice any concerns or have a casual discussion.

## Certifications and Skills

- Bloomberg Market Concepts – BMC, Bloomberg L.P. 2023
- Microsoft Office Specialist: Excel Associate (Office 2019), Certipoint & Microsoft 2023
- Technical Skills: Microsoft Office {Word, Excel, PowerPoint} | Coding Languages {Python, C++, MATLAB, JavaScript, LaTeX} | Tools/IDEs {Python IDLE, Visual Studio Code, CLion, GitHub} | Web Development {JSON, CSS, HTML}.
- Professional Skills: Customer Service | Research | Presentation | Working Collaboratively | Mathematics | Verbal Skills | Time Management | Organization | Experience in Leadership | Problem Solving | Creativity | Management.