

Victor Verma

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EDUCATION

Boston University

Boston, Massachusetts

B.A. in Mathematics and Computer Science, Minor in Data Science

Expected Graduation, May 2025

- **GPA:** 3.85/4.00
- **Honors:** Dean's List, Undergraduate Research Opportunities Program Student Research Award
- **Related Coursework:** Algorithms, Combinatoric Structures, Computer Systems, Concepts of Programming Languages, Introduction to Machine Learning and AI, Probability in Computing, Software Engineering, Applied Abstract Algebra, Differential Equations, Linear Algebra, Multivariate Calculus, and Probability.

EXPERIENCE

Boston University

Boston, Massachusetts

Undergraduate Research Assistant

Jan 2023 – Present

- Engineered Python software leveraging pandas, the Google Search API, BeautifulSoup, and the ChatGPT API to collect and filter biodata for 150,000 U.S. state legislator candidates across 600,000 web pages.
- Increased data collection efficiency by 16x by implementing multithreading, rate limiting, and error handling.
- Developed a neural network model achieving a 74% accuracy rate in classifying outputs as true or false.

Boston University

Boston, Massachusetts

Computer Assistant/Programmer

Sep 2021 – Present

- Coordinated seamlessly with professors, students, and team members at the Questrom Open Access Lab, devising prompt and effective technological solutions for classroom challenges.
- Demonstrated proficiency in Salesforce Lightning by successfully completing 20 Salesforce Trailhead Modules.

PROJECTS

StatSense AI

Nov 2023 – Present

- Built LSTM and Simple RNN models from scratch to forecast weekly NFL statistics for QBs, RBs, WRs, and TEs using their statistics in time series, achieving a 75% success rate against player props set by sportsbooks.

Portfolio

May 2023 – Present

- Created a portfolio website utilizing the MERN stack, TypeScript, and Bootstrap, and deployed on Vercel.

Nutrisistant

Oct 2023 – Dec 2023

- Collaborated with a team of 4 to build a MERN stack web app enabling users to access nutritional information, receive recipe suggestions from ingredients, utilize Google OAuth for account creation, and retrieve the user's account search history.

ACTIVITIES AND LEADERSHIP

Kappa Theta Pi - Lambda Chapter

Boston, Massachusetts

App Committee Head

Sep 2023 – Present

- Directed a 9-member team in conceptualizing, designing, and developing a Kappa Theta Pi Database website.
- Mentored members in full-stack development by providing support and resources, fostering knowledge sharing and skill development within the organization.

Boston University Barbell Club

Boston, Massachusetts

Member

Sep 2022 – Present

SKILLS

Programming: Python, HTML/CSS, JavaScript/TypeScript, React.js, Node.js, MongoDB.

Technical: Algorithms, Data Structures, Machine Learning, Object-Oriented Programming, REST APIs, Web Development, Web Scraping.

Tools: Visual Studio, Jupyter Notebooks, Git, Bootstrap.