

# Manovay Sharma

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## EDUCATION

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**University of Massachusetts Amherst, MA** *BS in Informatics (Concentration in Data Science), Minor in Computer Science (GPA: 3.9)*  
*Projected Graduation Date: May 2026*

- Relevant Coursework: Data Structures/Object Oriented Programming/Data Science/Calculus 1/Statistics/Discrete Math Foundations
- Organizations/Awards: Machine Learning Club, Boxing Club, Dean's List, Chancellor's Award

## EXPERIENCE

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**Undergraduate Researcher** *UMass URV, December 2023 - February 2024*

- Collaborated within a team led by a PhD student to explore program synthesis and natural language processing.
- Employed Rosette, a Racket library, to rigorously evaluate and benchmark program synthesis capabilities in comparison to GPT.
- Gained valuable insights into interdisciplinary research in the fields of machine learning and program synthesis.

**Line Cook** *Red Robin, November 2023 - April 2024*

- Succeeded in a high-energy kitchen environment, effectively multitasking, clearly communicating, and efficient workflow management to consistently meet demanding deadlines.
- Mastered culinary skills while simultaneously honing problem-solving abilities and developing resilience under stress.
- Collaborated seamlessly with managers and fellow cooks, coordinating efforts to ensure smooth operations and deliver exceptional culinary experiences.

## PROJECT

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**Predicting NFL MVPs** *February 2024 - June 2024*

- Led a comprehensive semester-long investigation delving into the variables that influence the NFL MVP award selection process. The analysis centers around aspects such as the position of the player, their stats as well as more abstract concepts such as player fatigue.
- Utilized Linear Regression, MANOVA, and Contingency Tables in RStudio to extract, manipulate, and create inferences on our data.

**Landscaping Portfolio Website** *December 2023*

- Utilized HTML and CSS to design and develop a website for a mock landscaping company
- Leveraged the Google Maps API to increase the functionality of the website, showcasing the company's offices and locations of previous work.

## CO-CURRICULARS

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**Machine Learning Club**

- Attended lectures from PhD students on a wide range of subjects relating to machine learning and similar fields.
- Engaged in deep exploration and experimentation with cutting-edge machine learning concepts aimed at understanding the journey of program synthesis and future endeavors.

**UMass Boxing Club**

- Gathered bi-weekly to promote physical fitness as well as discipline, promoted an environment of camaraderie as we all strived to increase our skills.

**UMass Beta Chi Theta**

- Underwent philanthropic endeavors within a fraternity, such as organizing a talent show fundraiser that generated \$7,000 in support of mental health advocacy, showcasing a commitment to make a tangible difference with the help of our platform.

## SKILLS & INTERESTS

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**Skills:** Java | Python | Racket | R | SQL | Microsoft Office (Excel, PowerPoint) | Adobe Suite (Photoshop, Premiere)