# Harshit Mannava

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## EDUCATION

**Milford High School | Milford, MA**
**Graduation:** May 2026 **GPA:** 4.4/5.00
**Coursework:** AP Calculus BC, AP Chemistry, AP Computer Science Principles, AP Language and Composition, AP Microeconomics, AP Statistics and Probability, AP U.S History, AP World History: Modern

## SKILL

**Programming Languages:** Python, HTML, Javascript, C++, C#, Java
**Machine Learning/Data Science:** Tensorflow, PyTorch, NumPy, Scikit-learn
**Club & Activities:** Academic Decathlon, Math League, Varsity Tennis, School Improvement Council, Club Swimming, Chess Club, USACO, Collaborative Equity Audit, Early College Alliance, Tutoring, Independent Research, School Advisory Council

## EXPERIENCE

**Delegate to State Student Advisory Council (SSAC) – DESE**                    May 2024 – Present

- Collaborated with council members to address key student issues and proposed actionable recommendations to the Department of Elementary and Secondary Education.

**Delegate to Central Massachusetts Regional Advisory Council (CMRSAC) – DESE**                    May 2024 – Present

- Served as Chair of the School Connectedness Workgroup, leading initiatives to foster stronger relationships among students, staff, and school communities.
- Represented my school's interests by collaborating with council members to address key educational challenges and advocate for actionable solutions.

**Social Media Manager – Clear Communication Solutions LLC**                    Jul 2024 – Aug 2024

- Created engaging and relevant content to enhance the company's online presence. This involved developing content strategies, designing posts, writing captions, and scheduling updates across platforms to align with Clear Communication Solutions' brand voice and goals.

## PROJECTS

**Recyclify – recyclify.info**                    Sept 2024 – Present

- Recyclify is a solution designed to simplify and enhance recycling efforts. Using image classification, Recyclify identifies different types of waste—such as plastics, paper, glass, and metals—and sorts them accordingly. By accurately categorizing waste, it ensures materials are directed to the appropriate recycling streams, reducing contamination and increasing recycling efficiency.

**Pokétox – Discord Bot (Repo #1) (Repo #2)**

- Designed, developed, and maintained a popular Discord bot capable of recognizing and classifying over 1,000 Pokémon species with seamless accuracy and speed.
- Successfully deployed the bot across 2,000+ communities, engaging over 1 million active users globally.
- Engineered advanced features including automated Pokémon identification, interactive gameplay mechanics, and dynamic community challenges to enhance user engagement.
- Leveraged efficient database management and optimized algorithms to ensure scalability and performance in high-traffic servers.