



SHRIRAM GIRIDHARA

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COLLEGE FRESHMAN

GitHub: <https://github.com/ShriramG24>

EDUCATION

B.S. in Computer Science - Class of 2025 at UMass Amherst
Class of 2021 at Simsbury High School, Simsbury, CT

ACTIVITIES/ HONORS

Specialized Courses:

GPA: 4.0

- Principles of Engineering (PLTW) 2018 - 2020
- Introductory Java and Data Structures 2020 - 2021
- Aerospace Engineering 2020 - 2021

- **Simsbury Math League (A-Team)** 2019 - 2021
 - Qualified for States Twice + Tutored Math
- **SHS FIRST Robotics Team (CAD Subteam)** 2019 - 2021
 - Helped CAD a Robot + Qualified for WNE Event
- **National Honor Society** 2020 - 2021
 - Raised \$300 individually by selling gift cards
- **Zooniverse (Citizen-Science Contributor)** 2020 - 2021
 - Classified Natural Phenomena
 - Transcribed Historical Documents

PERSONAL PROJECTS

- **Flappy Bird with Built-In AI** Dec 2021
 - Recreated Flappy Bird using Pygame
 - Added a functioning AI designed using the NEAT algorithm
- **Password Manager (Ongoing)** Jan 2022 - Present
 - Stores hashed passwords in secure SQLite databases
 - Eventually may be integrated with Autofill for websites

SKILLS

- Spoken Languages: Fluent in **English** and basic **French**
- Programming Languages: Proficient in **Python, Java, and C**
 - Comfortable with using **Visual Studio Code, PyCharm, and IntelliJ**
 - Worked with **Git, NumPy, Pandas, Pygame, and SQLite3**
- Design: Experienced in **CAD (Inventor, Fusion 360, etc.)**
- Other: Proficient in **Microsoft Excel, PowerPoint, and Word**

HONORS/ AWARDS

- **Chancellor's Award** Sep 2021
- **Rensselaer Medal** (Excellence in STEM) May 2020
- **High Honor Roll** Sep 2017 - Jun 2021