

# Shreyas Donti

508-665-3940 • shreyasdonti15@gmail.com • linkedin.com/in/shreyasdonti • github.com/stelleron

## EDUCATION

---

### University of Massachusetts Amherst

*Exp. Graduation May 2027*

- B.S in **Computer Science & Electrical Engineering** with **Multidisciplinary Honors** (3.94 GPA)
- **Coursework:** Data Structures & Algorithms, Intro to C Programming, Object Oriented Programming, Exploring Modern Computing, Calculus, Linear Algebra, Circuits & Electronics, Digital & Computer Systems
- **Societies:** UMass Cybersecurity Club, UMass Machine Learning Club, Model United Nations, Indian Student Union, Asian American Student Association

## EXPERIENCES

---

### Technology Team Organizer

*May 2024 - Present*

*HackUMass XII*

*Amherst, MA*

- Designing the website for HackUMass XII, a two-day hackathon hosted by the University of Massachusetts Amherst with 800+ participants
- Working with a team of 5 other students, collaborating using Basecamp and Figma boards, and developing the website using React.js, HTML, and CSS

### Undergraduate Research Volunteer

*May 2024 - August 2024*

*Manning College of Informatics & Computer Sciences*

*Remote*

- Collaborated with a team of 3 other members under the guidance of PhD candidate Amir Radmehr to investigate human activity recognition using IMUs and present results using graphs made in Matplotlib and Seaborn
- Designed a 1-D CNN deep learning model using PyTorch and Pandas to classify human activities from raw triaxial gyroscope and accelerometer data with 92.5% accuracy

### Conference Organizer

*Nov 2023 - Present*

*UMass Model UN Club*

*Amherst, MA*

- Organized the Pioneer Valley Model UN in partnership with Smith College, with ~25 participants
- Arranged room bookings, meetings between UMass and Smith Model UN club, created and reviewed chair and delegate applications

## PROJECTS

---

### C++ Game Engine

*Feb 2022 - Jan 2024*

- Developed the Xenon Game Engine, an open-source 2D game engine in C++ using OpenGL and SDL for designing graphical applications and game development, with window and input management, graphics rendering, and audio playing features.
- Enhanced understanding of multimedia programming, advanced C++ object-oriented programming, Git, and software development strategies

### Resume Generator App

*Jun 2024 - July 2024*

- Created a resume generator with React.js, Django/Python, and SQLite for helping me and other users quickly and easily customize and generate resumes.
- Learnt full-stack web development, REST API, SQL, database management, and state management.

## SKILLS

---

- **Programming Languages:** C, C++, Python, MySQL, Lua, Rust, JavaScript, Bash, Java, Go, Assembly
- **Tools:** VSCode, Neovim, Git, React.js, Django, Make, Premake, REST, Vite, Next.js, Slack, HTML/CSS, Linux, Figma, NodeJS, Matplotlib, NumPy, SciPy, PyTorch, Jupyter Notebook