

Shriyan Yamali

Newark, DE | in/shriyanyamali | shriyanyamali.tech | yamalishriyan@gmail.com | (302) 509-8864

EDUCATION

Newark Charter High School

Sept 2023 – May 2027

GPA: 4.0/4.0

Newark, DE

- **Activities:** Business Professionals of America President, Computer Science Honor Society President, Mock Trial.
- **Honors:** Gold Level President's Volunteer Service Award, Distinguished Honor Roll, AP Scholar with Distinction.

EXPERIENCE

Stanford Law School

June 2024 – Present

Programming Intern

Remote

- Developed a four-phase Python pipeline using **Pandas**, **PyPDF2**, and **Regex** that scrapes the European Commission's Competition Case Search, downloads decision PDFs, and converts them into a text corpus.
- Batched the corpus through Google Gemini, via the **GenAI** API, to automatically isolate every relevant market definition and consolidate them into a database of 600 unique cases, used to evaluate monopolistic behavior.
- Building **JurisMercatus**, a website with 4000+ market definitions, made with **Next.js**, **TypeScript**, and **Tailwind CSS**, that performs semantic searches, using **OpenAI** embeddings and the **Pinecone** API for vector indexing.
- *Project Link:* jurismercatus.vercel.app

Wilmington University School of Law

Jun 2024 – Feb 2025

Research Assistant

Wilmington, DE

- Investigated how the religious aspects of enhanced-interrogation practices at Guantánamo Bay affect U.S. citizens.
- Made a comprehensive annotated bibliography with over 200 curated sources, covering Senate reports, NGO briefs, news investigations, and 10 landmark federal cases, to inform a forthcoming law-review article.
- Authored 8 research memoranda (12,000 words total) summarizing legal, ethical, economic, and political findings.

Dartmouth College

July 2024 – Jan 2025

Assistant Editor

Remote

- Proofread an ICLR submission through two revision cycles, ensuring all 31 pages met the conference formatting rules, were grammatically sound, and maintained consistent terminology, notations, and citations throughout.
- Built 2 **LaTeX** tables that distilled 100,000 pairwise evaluation instances from 12 judge LLMs (GPT, Claude, Gemini families) and 40 candidate models into the core metrics: repetition stability, position consistency, and preference fairness.

University of Pennsylvania Carey Law School

July 2024 – Aug 2024

Summer Intern

Philadelphia, PA

- Built **LexFlow**, a Python tool that generates T-shaped graphical models showing how legal principles exert force on an act type based on user-defined attributes, used in research, legal articles, and policy evaluation.
- Engineered a system where user inputs are converted into arrows with width, length, and area calculated using weighted geometric formulas, which were later purchased by the University of Pennsylvania Carey Law School.
- Used **Matplotlib** for diagram rendering, **NumPy** for numerical computation, and implemented vertical positioning algorithms and force-balancing mechanics to ensure accurate vector graphic placement.
- *GitHub Repository Link:* shriyanyamali/LexFlow

TECHNICAL SKILLS

Languages: OCaml, Python, Java, JavaScript/TypeScript, HTML, CSS

Frameworks: React, Next.js, Tailwind CSS

Libraries: Pandas, NumPy, Matplotlib, TensorFlow, PyTorch

AWARDS

First Place in Computer Programming Concepts (Business Professionals of America NLC, 2025)

Placed 1st out of 7,450+ participants nationwide in an exam testing algorithms, Python, Java, JavaScript, web development, SQL, version control, programming paradigms, debugging, testing, and logic-based problem solving.

First Place in Information Technology Concepts (Business Professionals of America NLC, 2025)

Placed 1st out of 7,000+ participants nationwide in an exam testing IP, DNS, ports, firewalls, cybersecurity, hardware and software, cloud computing, data and information processing, storage systems, system architecture, and digital ethics.

Top 20 in the National High School Mock Trial Competition (2024)

Ranked in the top 20 nationwide among thousands of teams in a courtroom simulation competition judged on witness examination, objections, and trial strategy, with performance evaluated by real judges and attorneys.