

Aadithya Srinivasan

Freshman at **University of Pennsylvania SEAS** (Graduated from W+H in Edison, NJ)

Summary

- **National Merit Finalist Corporate Scholarship winner**
- **ACT Score: 36/36, 2x AIME Qualifier with AIME 2023 score: 8**
- **AP Exam Scores of 5** in 8 courses, AP Scholar with Distinction
- **Computer Science Club Founder (W+H), 2x finalist** in ACSL and **#43/1329** in picoCTF
- **AI/ML courses**, Presented **models** in **international CECCRe Conference** for dentistry
- **UPenn CIS Coursework: CIS1200, CIS1600, CIS1902**
- Designed **neural networks and machine learning** models for various use cases

Technical Expertise

- **Python**
 - Data Conversion & Visualization through Pandas, Numpy, Matplotlib, Tensorboard, & Seaborn Libraries, AI/ML through Sci-Kit Learn and Tensorflow
- **Cybersecurity**
 - PicoCTF - Team placed **#43** nationally for all high schools
 - Applied reverse engineering, binary exploitation, SQL injections, etc.
- **Java** - Classes and usage of Apache Commons Library
- **Web Development (HTML/CSS, JSReact, JSX, C++, SQL)** - Projects/internships

Projects

- **EcoHarmony (Founder, Head of Technology) - ecoharmony.us**
 - Founded global web platform and think tank dedicated to spreading awareness of recycling and analyzing environment-related data. 150+ members, 18500+ pounds recycled, 5 chapters
- **Client Persona Generation (Paid Internship » Aristotle Inc.)**
 - Created and launched persona-creating GAN tool using Python, Typescript, JSX
- **Skin Cancer Classification CNN (95% Accuracy)**
 - Classifies Skin Cancer into Malignant vs Benign using tensorflow, created original convolutional neural network model by combining various architectures

Research Work

- **Software Analysis & Testing Lab**
 - Worked with UT Dallas Professor Dr. Shiyi Wei on analyzing effectiveness of static code analysis tools using ML techniques
- **Covid Vaccine Impact Analysis**
 - Collaborated with Dr. Mutlu at QSRI for C++ Covid case correlation analysis