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## 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, GUI creation (CIS1200)
- **Web Development (HTML/CSS, JSX, C++, SQL)** - Internships, personal projects

### Projects

- **EcoHarmony (Founder, Head of Technology) - [ecoharmony.us](https://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.)**
  - Learned Agile Project Management. Created and launched persona-creating GAN product using Python, Typescript, JSX. Most similar openly available product: [notionsmith.ai](https://notionsmith.ai)
- **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
- **[asrinivasan75.github.io](https://asrinivasan75.github.io)**
  - Designed and coded personal website using HTML, CSS, ReactJS. In progress.

### Organizational Experience

- **Co-Founder of EcoHarmony ([ecoharmony.us](https://ecoharmony.us))**
  - Helped use machine learning to increase awareness of environmental problems, 18,500+ lbs worth of recycling logged across 5 chapters with 150+ members.
- **Co-Founder of IvyRise College Consulting ([bit.ly/ivyriseconsulting](https://bit.ly/ivyriseconsulting))**
  - Provided college consulting solutions to 50+ high school students across the Tri-State Area. Used personalized strategies to assist with college essays, interview preparation, and building tailored college lists.