

RIYA KADAKIA

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EDUCATION

Carnegie Mellon University, Class of 2028 : GPA: 4.0

Pittsburgh, Pennsylvania

Spring 2025 Courses (Current)

- Principles of Imperative Computation
- Introduction to Human-Robot Interaction
- The Information Systems Milieux
- Causes & Consequences of Health Disparities
- Interpretation and Argument

Fall 2024 Courses (Past)

- Linear Algebra and Vector Calculus
- Matrices and Linear Transformations
- Cognitive Psychology
- Banned Books

Carlmont High School, May 2024

Belmont, California

Cumulative GPA: 4.43 (Weighted), 3.98 (Unweighted)

New York University, Jul 2023 - Aug 2023

New York, New York

Computer Engineering for Good (CE4G)

University of California, Jun 2023 - Jul 2023

Berkeley, California

Understanding Climate Change

Harvard University, Jun 2020 - Aug 2020

Remote

Introduction to Computer Science

San Mateo County Community College District, 2021 - 2023

San Mateo, California

Introduction to Business, Small Business Management, Marketing, Introduction to Web Design

EXPERIENCE

Students Using Data Science For Society (SUDS) *Project Member*

Pittsburgh, Pennsylvania

Aug 2024 - Present

- Assist Baker Industries in finding employment for underserved communities including disabled and homeless people
- Designed a survey and analyzed results to better understand the effectiveness of program
- Skills & Tools: R/Python, Google Form/Qualtrics

Carnegie Mellon Solar Racing Club *Optimization Team Member*

Pittsburgh, Pennsylvania

Aug 2024 - Present

- CMSR is a student-run engineering club that promotes renewable energy through our innovative solar boat designs and solutions
- Optimized system by migrating to Raspberry Pi Pico 2-based system combined with Raspberry P using embedded C and Python Programming, and incorporating System Design concepts.

Robotics Club at CMU Team Member

Pittsburgh, Pennsylvania

Aug 2024 - Present

- Currently using Arudino to extend Neuro42 PID controller system to a robotic arm
- Joins workshops to learn more about programming, circuits, CAD, PCB design, soldering, machining, and more

Neuro42, Inc. *Summer Computer Engineering Intern*

San Francisco, California

Jun 2023 - Jul 2023

- Researched, developed, and tested a Proportional, Integral & Derivative (PID) controller system for Neuro42's autonomous robotic arm that precisely controls the speed of arm movement

WorkConnections *Founder & Developer*

San Carlos, California

Apr 2020 - Present

- Founded a nonprofit organization that helps unemployed people find all eligible benefits in under 5 minutes
- Developed a [zero-coding benefits platform and mobile-ready app](#) using Java and React to connect unemployed people with eligible benefits

Inspirit AI *AI Student & Researcher*

Palo Alto, California

Jun 2023 - Jul 2023

- AI + Criminal Justice Project: Researched and developed ML models to first predict bias in existing AI algorithms used by US courts to predict which defendants are likely to re-offend, and then to predict the defendant's likelihood of reoffending

LEADERSHIP and SERVICE

Gelataio *Shift Lead*

San Carlos, California

Nov 2023 - May 2024

- Greeted, recommended products to, and served customers based on their preferences, and informed them about new promotions and seasonal flavors.

Preston's Candy & Icecream *Intern, Product Designer, and Online Marketer*

Burlingame, California

Jun 2020 - Nov 2020

- Designed, created, & sold over 100 monthly subscription boxes including a new product called "Riya's Favorite Treats" which sold out within 5 weeks of launching

Social Entrepreneurship Club, Carlmont High School *Founder & President*

Belmont, California

Aug 2022 - June 2024

- Founded the club and organized Carlmont's first case competition which attracted over 25 participants from across Bay Area high schools; Invited industry experts as judges

Youth Advocacy and Social Summit (YAASS) *Carlmont High Representative*

San Carlos, California

Mar 2023

- Selected to represent Carlmont High School at the YAASS conference. Learned how to support minority groups, primarily LGBTQ+ members of our school and community.

Volunteer Income Tax Assistance (VITA) *Tax Prep Volunteer*

Belmont, California

Jan 2023 - Apr 2023

- Counseled many individuals and families in need to prepare their 2022 tax returns through the VITA program.