

# Anvita Rayabarapu

Address: 16524 Hardy Street, Overland Park, KS, 66085  
Email Address: anvitaraya@gmail.com Cell: (913) 526-0922

## Education:

Blue Valley West High School Anticipated Graduation: May of 2026  
*Unweighted GPA:* 4.0 *Weighted GPA:* 4.82  
*Honors and Awards:* The President's Volunteer Service Award, Officer of the Math Honors Society  
*Relevant AP Courses:* Calculus BC, Calculus AB, Statistics, Biology, Chemistry, Physics 1, Computer Science A, Computer Science Principles, Psychology  
*Programming Languages:* Python, Java, Javascript, SQL, R, Swift, HTML  
*Certifications:* Certipoint IT Specialist database fundamentals  
*PreACT 8/9:* Scored 99th percentile in all subject areas, including science  
*PSAT10:* Scored 99th percentile

## Research Experience:

*Dysgraphia Detection and Analysis Project* 2024-Present

- Conducted research on dysgraphia and its impact
- Developed a machine learning model integrated with Optical Character Recognition
- Utilized Python to design and implement algorithms for dysgraphia detection
- Analyzed publicly available data to assess common handwriting inaccuracies

## Computer Science Activities and Awards:

*Data Science Training:* 2024

- UC Berkeley 7-Week Camp on Big Data and applying data science principles to real-world applications

*Business Professionals of America (BPA)* 2022-Present

- Placed among top 10 at the National level in the SQL Database Fundamentals event
- Earned 2nd place at the State level in the SQL Database Fundamentals event
- Passed the IT Specialist: Databases Certification exam

*ProjectCSGirls* 2022

- Qualified for the National Finals Competition
- Created a website to promote mental health awareness
- Presented skills in Java, Python, and HTML

*Girls Who Code (GWC)* 2020-Present

- Earned certificate of completion in Data Science and Cybersecurity
- Participated in after school program and Summer Immersion Program (SIP)

*Courses and certifications:* 2022-Present

- Python Coding for Machine Learning
- Python Coding: Advanced Development
- Java Coding for Applications & Game Development
- AWS Certified AI Practitioner
- AWS Certified Cloud Practitioner
- 100 Days of Code: The Complete Python Pro Bootcamp.
- A complete course in SQL with SQL server

## Science Activities and Awards:

*United States National Chemistry Olympiad (USNCO)* 2023

- Qualified for the National Chemistry Olympiad

*National Science Bowl (NSB)* 2022

- Earned 13th place at the National Tournament as a team
- Placed 1st at the Kansas Regional Tournament as a team

*Science Olympiad*

2022

- Placed 1st in the Disease Detectives event at the Kansas State Tournament
- Earned 3rd place in the Bio-Process Lab event at the Kansas State Tournament
- Achieved 6th place in the Food Science event at the Kansas State Tournament

*Ambassador Program for North South Foundation Alumni (APNA)*

2023-Present

- Explained STEM opportunities to an underserved school in Telangana, India
- Educated 30 middle school girls about women in STEM

**Mathematics Activities and Awards:**

*Math Honors Society (Mu Alpha Theta)*

2022-Present

- Served as school club officer
- Ran multiple middle school math competitions involving around 100 competitors
- Created and graded problems for the competition math tests

*American Mathematics Competition 8 and 10 (AMC)*

2022-Present

- Achieved the D. E. Shaw Group AMC 10 A Certificate of Excellence
- Earned the Two Sigma AMC 10 B Certificate of Excellence
- Placed 3rd at the School level for the AMC 8 exam
- Placed 2nd at the Kansas State Level-Math Kangaroo

*Math Coaching at North South Foundation*

2022-Present

- Taught group math sessions for middle school students
- Prepared advanced students for mathematical competitions (MATHCOUNTS, AMC)
- Worked with 15 different students for a total of 180 hours
- Earned 2nd place in the National Panacea Challenge

**Other National Awards:**

*Zaner-Bloser National Handwriting Contest*

2021

- National Handwriting Contest Champion
- Competed in the cursive category against 80,000 students overall
- Participated in an interview for the National Public Radio (NPR)