

Aanya Kamath

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aanya.kamath@gmail.com

<https://aanyakamath.github.io>

Education

Evergreen Valley High School / High School Degree

August 2022 - PRESENT, Expected Graduation- June 2026

Relevant Coursework: Biology 1, Pre-Calculus, AP Physics 1 (AP Exam Score: 5)

Other Coursework (Coursera): AI for Everyone, Introduction to Machine Learning, Introduction to Generative AI

Skills

Basic Python, Jupyter, Biopython.

Projects

“A Survey of Genetic Risk Factors for Alzheimer’s Disease”,

November 2023, A Survey of Genetic Risk Factors for Alzheimer’s Disease. Journal of Student Research, 12(4).

<https://www.jsr.org/hs/index.php/path/article/view/5246>

This paper surveys the different genetic variants that affect risk for Alzheimer’s Disease, discusses the prevalence of each risk factor, and their effect on Alzheimer’s Disease pathology.

“Study of Subproteins in Alzheimer’s Disease Pathogenic Variants of PSEN1 and PSEN2”

This research work studies the less-known variants of the PSEN1 and PSEN2 genes that increase risk for Alzheimer’s Disease. This study will identify sub proteins coded in variants of these genes that could increase Alzheimer’s risk.. I am using python, jupyter and biopython for this work.

https://github.com/aanyakamath/alz_risk_analysis

Experience

Evergreen Branch Library / Teens Reach Officer

January 2024 - PRESENT, SAN JOSE

Representative of the Teens Reach Volunteers at Evergreen Branch Library in San Jose. Plans/Organizes activities at the library.

2024 Alzheimer’s Association Walk to End Alzheimer’s Community Engagement Committee / Committee Member

March 2024 - PRESENT, SAN JOSE

Promotes community engagement for Walk to End Alzheimer’s Event to raise money for Alzheimer’s Disease care, support, and research.

Joyce Ellington Branch Library / Physics Teacher

July 2024 - PRESENT, SAN JOSE

Teaches elementary school students introductory physics.

References

By Request, please email me at aanya.kamath@gmail.com