



SUMMARY

High school student with a strong interest in biology and genomics with independent research, data analysis, and hands-on lab exposure. Eager to learn rigorous research methods and contribute in a mentored laboratory setting.

EDUCATION

- **Monte Vista High School, Danville, CA, (2024-2027)**
 - **11th Grade - GPA: 4.8**
Courses: AP Calculus BC, AP Biology, AP Physics 2, AP Computer Science: A, AP United States History, AP English Language and Composition
 - **10th Grade - GPA: 4.0**
Courses: AP Calculus AB, Honors Chemistry, AP Computer Science Principles, AP World History: Modern, English 10, Introduction to Engineering
 - **9th Grade - GPA: 3.85**
Courses: Biology, Precalc/Trig Honors, Japanese 1, PE 9, English 9, World Geography/Health
- **UC Berkeley ATDP Advanced Biotechnology Course (2025, UC Approved - 4 credits) - Grade: A+**
- **Multiple Dual Enrollment/BYU Independent Study Classes *UC APPROVED* (2023-2026)**

STANDARDIZED TESTS

- **SAT:** 1490/1600 - Math: 750, Reading: 740
- **PSAT:** 1450/1520 - Math: 760/760, Reading: 690/760

AWARDS AND LEADERSHIP

- Collegeboard National School Recognition Award
- AP Scholar
- Multiple Honor Rolls at High School

VOLUNTEERING AND WORK EXPERIENCE

- Walnut Creek Public Library Volunteer - Ongoing
- Kaiser Permanente Hospital Volunteer - Ongoing
- Integrative Proteomics Research Internship at Khare Labs, Rutgers University – June 2026 to August 2026
- 7-day Internship with a Pulmonologist at Merced Lung and Sleep Center – July 2025
- 7-day Internship at Prosthodontics & Implant Dental Center in Merced – July 2025

RESEARCH AND PUBLICATIONS

- **Atharv Ved**, Swetha MP, and Vishal Kumar. "AI-Based Computational Pipelines for Genomic Bioinformatics and Precision Medicine Applications in Modern Healthcare Systems." *6th International Conference on Pervasive Computing and Social Networking (ICPCSN 2026)*, IEEE. Accepted for publication.
- **Atharv Ved**, Swetha MP, and Vishal Kumar. "Bayesian Triangulated Modeling for Stress–Gut–Metabolism Interactions in Adolescents." *IEEE International Conference on Computer, Mechatronics, Robotics & Artificial Intelligence (ICCMRAI 2026)*. Accepted for publication.
- **Atharv Ved**, Swetha MP, and Vishal Kumar. "Crispr Target Prediction for Cardiac Remodelling Genes" *IEEE International conference on Intelligent Sensing and Autonomous Systems for Sustainable Future (ISASF 2026)*. Submitted

EXTRACURRICULARS

- Drums - Playing since I was 8. Played for school band, Played to cheer special needs children
- Developed a **mobile app** to help my sister practice for her speech and debate competitions, published it on the App Store
- Trained an **AI Model to recognize Colorectal Cancer Cells** from various sets of images.
- **Custom-Made Lamp from Scratch** - Used techniques such as Soldering, Woodworking, Laser Cutting, CADing
- **Bottle Flipping Robot** - Used CAD to create a model of a robot that would be able to flip water bottle robots,
- **Bagels Project** - Object-Oriented Programming with Python
- **Envision Experience at UC Berkeley** - Summer program in Medical, Forensics, Engineering, Robotics