

# Hayaan I. Rizvi

+1 (510) 309-4105 · [hayaanrizvi@berkeley.edu](mailto:hayaanrizvi@berkeley.edu) · [linkedin.com/in/hayaanrizvi](https://www.linkedin.com/in/hayaanrizvi) · Berkeley, CA

## EDUCATION

### University of California, Berkeley

Aug. 2024 – Exp. May. 2028

*Bachelor of Arts in Molecular and Cell Biology*

Berkeley, CA

- GPA: 3.9/4.0
- Emphasis in Biochemistry, Biophysics, and Structural Biology
- Involvements: Mycological Society at Berkeley; International Genetically Engineered Machine at Berkeley;

### RISE Academy

Aug. 2020 – Jun. 2024

*High School Diploma*

San José, CA

- GPA: 4.0/4.0; Class Rank: 1/15; SAT: 1570/1600;
- Relevant Coursework: AP Calculus BC; AP Biology; Chemistry (at Foothill College); Cancer Biology (at Stanford University);
- Honors: Valedictorian; National Honor Society; AP Scholar with Distinction;
- Involvements: Student Council VP; STEM Club Founder; Blue House President;

## RESEARCH EXPERIENCE

### Analysis of RNA-Sequencing Data from Non-Myeloid Brain Cells

Apr. 2025

*Bay Area Bioengineering Symposium*

Berkeley, CA

- Identified gene expression profile of non-myeloid brain cells through analysis of single-cell RNA-sequencing data of mouse organs.
- Presented research at the Bay Area Bioengineering Symposium.
- Performed data analysis in Python using libraries including numpy, pandas, scprep, and matplotlib.

### Database for Biosolutions to Crop Diseases

Jun. 2021 – Jun. 2024

*Bontera BioAg*

Albany, CA

- Conducted commercial-level research and literature reviews to identify industry trends in organic fertilizer production.
- Analyzed dozens cutting-edge papers in the fields of biology, biochemistry, and botany.
- Compiled results into detailed reports and developed a database to streamline future fertilizer development.

### Literature Review on Muslim Communities' Healthcare Needs and Barriers

Nov. 2023

*Journal of Student Research, doi:10.47611/jsrhs.v12i4.5915*

Remote

- Published literature review on the largely unsatisfied and growing healthcare needs of Muslims.
- Examined vulnerability to diabetes, vitamin D deficiency, and vaccine-preventable illnesses.

### Development of Hypothetical Astrocytoma Telomerase Inhibitor

Jun. 2023 – Aug. 2023

*Stanford University*

Stanford, CA

- Hypothesized a novel astrocytoma brain tumor therapeutic targeting telomerase enzymes for a Cancer Biology course at Stanford University.
- Compiled findings in an NIH Grant Proposal format.
- Collaborated with and presented research to 4 oncology researchers.

## LEADERSHIP

### RISE Academy Student Council

Sep. 2020 – Jun. 2024

*Treasurer, Class President, Secretary, & Vice-President*

San José, CA

- Elected 4 times to Student Council, the school's longest standing club.
- Organized 10+ fundraisers for disadvantaged groups w/ \$1000s in cumulative donations.
- Liaisoned directly with the Principal as a member of the Principal's Advisory Committee.

### RISE Academy STEM Club

Sep. 2020 – Jun. 2024

*Founder, President, & Lead Researcher*

San José, CA

- Led collaborations b/w 15+ students & a cardiologist during the pandemic.
- Organized discussions on complex topics like vaccines, data science, etc.
- Presenting research in cutting-edge fields like cancer therapy and AI.

## PERSONAL

**Community:** Saba Islamic Center: *Volunteer*, 2018–Present; Al-Kisa Foundation: *Actor & Volunteer*, 2020–2023; RISE Academy: *Pre-Calculus TA*, 2024; Al-Mustafa Academy: *Lead Software Developer*, 2022–Present;

**Awards:** National Merit Scholarship Finalist; Full Ride Scholarship to Sharif University of Technology; Mohammad Bhai Scholarship, Hastest Solutions; 3x Dean's List & 6x Good Standing, Foothill College;

**Languages:** English; Urdu; Hindi (Speaking & Comprehension); Arabic (Reading & Writing);