

# Aadya Matthew

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## SUMMARY of QUALIFICATIONS

- Majoring in biochemistry with a Minor in Data Science at the University of California, San Diego
- Proficient in HTML, Microsoft Excel, and Python
- Attained a score of 44/45 in the International Baccalaureate Diploma Programme
- Meticulous and attentive to details and pattern recognition

## EDUCATION (CURRENT)

Bachelor of Science in Biochemistry, Minor in Data Science, Graduation (June, 2027)

*University of California, San Diego (UCSD), La Jolla, San Diego, CA*

## SKILLS:

- Proficient in HTML, Microsoft Excel, and Python
- Fluent in English and Hindi, proficient in Spanish and Cantonese, learning Mandarin Chinese
- Grade 8 ABRSM piano player

## RELEVANT COURSEWORK

IB Chemistry and Biology, Higher Level

- Completed extensive lab work involving ester purification and experiment planning/research paper write ups
- Completed extensive lab work involving yeast culturing and data collection / analysis

Data Science Courses at UCSD

- Completed extensive coursework involving Python and manipulation of data frames
- Successfully used Python and statistical packages to statistically analyze large data sets

University of Hong Kong Biomedical Science Internship

- Did data analysis on collected data and wrote articles to highlight conclusions from multiple studies
- Completed work on neuroscience research and patient based screening / case study analysis

## PROFESSIONAL EXPERIENCE

### High level of responsibility

- Took on managerial role at dog shelter adoption events to facilitate adoptions and paperwork
- Led teams during internship to delegate work when presenting data and writing articles

### Attention to detail

- Created a highly detailed infographic to display research on HeLa cells, apoptosis and anticancer drugs
- Screened and analyzed data sets across internships and labs to draw conclusions

### Experienced with Writing, Reading, Analyzing Research Papers

- Read and summarized research on obesity, diabetes, public health in Hong Kong, and anticancer drugs
- Wrote research paper on findings of experiment involving HeLa cells and anticancer drug curcumin's efficacy
- Presented original data based research on purification of esters and links to cost effectiveness in commercial settings

## CAMPUS & COMMUNITY INVOLVEMENT

Associate Editor, Graphite UCSD, San Diego, CA

2024 -

Volunteer, Hong Kong Dog Rescue, Hong Kong

2020 - 2023

Volunteer, St. Barnabas Care Home, Hong Kong

2021

## AWARDS

- Student of the Year Nominee (South China Morning Post awards, Hong Kong)
- Chairman's Award ESF (for attaining excellence in the IBDP programme)
- 2 time Gold UKMT Mathematical Challenge Awardee