

ARNAV BUDHRAJA

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EDUCATION

Jamnabai Narsee International School, Mumbai, India. International baccalaureate diploma program (IBDP), Grade 12	2023 to present
Jamnabai Narsee School, Mumbai, India. Indian Certificate of Secondary Education (ICSE), Grade 10	2010 to 2023

STANDARDIZED TESTS

TOFEL iBT: 109	2024
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ACADEMIC HONOURS AND AWARDS

Certificate of Honor given by Jamnabai Narsee School for Achieving distinction in the ICSE board examination	2023
Topped the school in grade 10 board examinations by achieving a perfect score of 100 on 100 in Biology	2023
Received a 20% scholarship in the Immerse Essay writing coemption for biology	2024
International Chemistry Quiz	2024

BIOLOGICAL SCIENCES EXPERIENCES AND RESEARCH

SHRM Bio, a company based in Kolkata, India, provided me with a one-week lab training in microbiology. The training focused on the “microbiological quality analysis of milk samples.” <ul style="list-style-type: none">• On the first day, I learned the basics of microbiology, including its importance and processes.• Over the next six days, I conducted practical experiments, growing bacterial colonies from various milk samples (pasteurized, boiled, and raw) and identifying bacteria under a microscope I performed tests to identify the bacteria, studying them under a microscope to understand trying to understand their characteristics and implications for milk quality..• On the final day, I tested milk samples from a local vendor for additives like detergent, chalk powder, and soap and investigated its effect on bacterial colony samples from the milk.	2024
Wrote a research paper on the topic “ <i>impact of different process parameters on the quality of raw milk: an optimization-based process</i> ”. The research paper has been successfully published in the American Journal of Applied Bio-Technology Research (AJABTR) in the year	2023 to 2024
Wrote a review paper on the topic “ <i>ADVANCEMENTS IN CELLULASE ENZYME TECHNOLOGY: APPLICATIONS, CHALLENGES, AND FUTURE PERSPECTIVES</i> ”. The paper was successfully published in the <i>International Research Journal of Modernization in Engineering Technology and Science</i>	2024

MEDICINE COLLECTION DRIVE

- During my Grade 11 summer break, my friends and I founded “Medminds” an organization which aimed to address medicine shortages faced by old age homes in Mumbai. 2024
- We started organizing medicine collection drives in our neighborhood and School we also partnered up with a pharmaceutical company “Hindbio” and an accounting firm “Eisenamper”
- After receiving an overwhelming amount of donations, we have provided medicines to more than 5 old age homes and an orphanage and we are still receiving donations and providing them to old age homes

LEADERSHIP

- Cascade, one of India’s largest interschool events, is organized annually by the Jamnabai Narsee Alumni Association with over 9,000 participants from 60+ schools. 2024
 - Served as a member of the admin team for Cascade 29.
- The International Youth Conference (IYC), a two-day MUN organized by Grade 12 students of Jamnabai Narsee International School, sees participation from various schools. 2024
 - Served as Moderator for the General Security Organization.

MODEL UNITED NATIONS

Participated in the Annual World Summit (AWS) MUN organized by Jamnabai Narsee School: 2023 & 2024
Won High Commendation in the UNEP committee .
Received Verbal Mention in the UNEP committee .

Attended the 15th Young Changemakers Conclave 2022
Participated and won verbal mention in India’s International Movement to Unite Nations (IIMUN) 2022

COMMUNITY OUTREACH

Organized and led a beach cleanup with friends under the Indian government’s "Shramdaan for Swachh Bharat" initiative. 2023
Volunteered as a scribe for 10th-grade students at Jamnabai Narsee School in 2022, assisting those with special needs during their 10th grade exams. 2022
Taught English and Math to underprivileged children at the Saksharta Foundation NGO for 40 days in 2023. 2023

EXTRA CURRICULAR ACTIVITIES

Completed Trinity Speech and Drama exams up to Grade 7 2014 to 2024
Created an art portfolio of 12 acrylic paintings on canvas, featuring themes like forests, wildlife, Indian deities, abstract works, and traditional art forms from Maharashtra and Bengal. 2021 to 2024

ONLINE COURSES

Completed the AI inspirit course which helped me gain a understanding of how AI works at its back end I also designed a project which showed people how AI can be used by medical professionals to detect Pneumonia. 2023

INTEREST: Travelling, Learning about Hinduism, Global Politics