

# Sambhav Maloo

Bangalow no 297, Applewood villas Shela, Ahmeabad-380058  
M+ 91 9978944647; Email- maloosambhav@gmail.com

## Education: Calorx Olive International School, Ahmedabad- India.

|   |             |
|---|-------------|
| <i>Internation Baccalaureate Diploma Program (IBDP), grade 11 &amp;12</i> | 2023 - 2025 |
| <i>Internation Baccalaureate Middle Year Program (MYP), grade 6-10</i>    | 2017 - 2023 |
| <i>Internation Baccalaureate Primary Year Program (PYP), grade 1-5</i>    | 2012 – 2017 |

## Academic Honours and Awards:

### School Honours:

|  |           |
|--|-----------|
| Grade 11- Scored 38/42 IB points second term (IBDP1) | 2023-2024 |
| Grade 10- MYP 5- 55/56 IB points (IBMYP)             | 2022-2023 |

### Standardised Test:

|  |      |
|--|------|
| PSAT- 1310   | 2022 |
| SAT (First Attempt): Total – 1540; Mathematics – 760; EBRW – 780 | 2023 |
| AP Psychology - 5/5  | 2023 |
| AP Macroeconomics -5/5   | 2024 |
| AP Environmental Science -4/5                                    | 2024 |

---

## Founder- BioRev - BioRevSPBC- UI Enabled Portable Semiautomatic Biogas Plant

---

### Research Papers and Publications:

- **Explaining the consequences of banning billionaire – Method, impact and consideration**  
*International Journal of Humanities Social Science and Management.*  
Sept- 2023
- **Synthesis And Application of Bisphenol -A Epoxide Resins – A Review**  
*Journal of student research (JSR)* November – 2023
- **Design and Development of a Tangible UI enabled portable semi-automatic biogas plant.**  
*International journal of creative research thought.* April – 2024

### Publishing soon

- **Quantum Cryptography and Communication: Protocols. Limitations and Solutions.** *International Journal of Highschool Research (IJHSR).*

### Types of hardeners used on the compressive strength of epoxy resin:

*Journal of student research (JSR).*

---

### Authorship / Writer

- **The Dark Side** (Mystery Novel- Author)-*Notion Press*- 2022
- **E2 Existence Explained** (Educational book on astrophysics quantum mechanics- Author). *Rosewood Publication* – 2024
- **The Scent of Poetry – (co-author)** -*Rosewood Publication*
- **Sky is blue – (co-author)**- *Imprint Publication*
- **Delusion Volume 5 – (co-author)** -*The Quill House*

**Patent Holder:****• Biogas Production Chamber –**

*This patent presents a compact, Arduino-controlled biogas plant with integrated sensors for safety. It monitors gas levels and releases excess gas automatically, featuring remote and manual controls and a 3D-printed user interface.*

*407610-001*

*Feb – 2024*

**School Leadership and extracurricular:**

- *Head boy (2024- 2025)*
  - *Student council representative (2022-2025)*
  - *Blue house captain (2023 – 2024)*
  - *In School Music Band*
  - *Debate Club*
- 

**Achievements and Awards: National and International**

- 1st prize in national essay writing competition from Homi Baba National Institute Mumbai. (Topic – The ancient Indian concepts of planets and space) 2022
  - All India Maths Science Talent exam – 4th rank in India in 2018-19  
- 14th rank in India in 2019–20
  - 1st international rank in English Olympiad (SOF) 2022.
  - 2ND prize in pen vibes (State level poetry writing competition by DPS),
  - Selected in the top 10 poets list in India, for a national level competition by S7 (2000 poets had participated)
  - 1st in Maths and Science competition held at school 2021 and 2nd in 2022
  - IB Conference • Write up got selected and was presented at IB world conference- October 2021.
- 

**Courses/Certificates:**

- *Robotic course from edubotics inventor's lab - 2017*
  - *Full stack developer 2021*
  - *ISRO – online course Overview of space science and technology - 2022*
  - *Completed DELF A1 and A2 in French, (Diploma from French alliance - 2023*
  - *Participated in Olympiad SOF for past 10 years and won state, national and international Rank.*
  - *Cambridge Centre for International Research (CCIR) - fundamentals problem of Quantum Physics: Quantum measurements and general relativity – Cambridge Future Scholars 2024.*
- 

**Volunteering:**

- Tide (Together in development and Education )June 2023-  
For 10 months taught skills such as communication, leadership, and collaboration through activities to grade 6 and 7.
- Teach for India. June 2024 (ongoing) Started a self-Initiated workshop to teach English writing combined with origami

- **Languages:**
- English
- Hindi
- French (A2 diploma)
- Marwadi
- Spanish Ab initio

**Internship:**

During my internship at Samrock Chemicals I Ltd., I gained hands-on experience in Quality Management Systems, data entry, and sorting across Purchase, Production, and Quality Control departments. I contributed to content writing for the company's website, researching products and enhancing my knowledge. This role deepened my understanding of interdepartmental coordination and the essential operations of a manufacturing firm.

---

**Skills:**

- Proficient in conducting research and analysing data.
  - Strong writing and communication skills demonstrated through publications and authorship.
  - Detail-oriented with a commitment to accuracy and innovation, as evidenced by patent involvement.
-