

## MITALI KHAITAN

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### EDUCATION:

**Dhirubhai Ambani International School**, Mumbai, India;

- *International Baccalaureate Diploma Program, Grade 12*

**J.B. Petit High School for Girls**, Mumbai, India;

- *Indian Certificate of Secondary Education, Grade 10*

### STANDARDISED TESTS:

- ACT – 33/36
- IELTS – 7.5/9

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### ACADEMIC HONOURS AND AWARDS:

1. **Reach for the stars, ivy league award** at the J.B. Petit High School

#### **International:**

1. **Avogadro chemistry quiz** – First place worldwide
2. **John Locke Essay**
  - Shortlisted as a finalist for a 2000-word essay exploring the topic ‘Should Oxford lower its admissions standards for the sons and daughters of generous benefactors?’
3. **PIMSO Math** – Silver medal
4. **PIMSO Science** – Silver medal
5. **IMOCSEA** - Silver Medal
6. **ISOCSEA** - Gold Medal

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### BUINESS AND HEALTHCARE EXPERIENCES

#### **Research:**

1. **The Rise of Clean Beauty in India: Wellness or just better branding?**
  - Published in <https://ijsser.org/more2025.php?id=224>
  - Explored the drivers behind the popularity of clean beauty brands in India and researched historical beauty standards.
2. **Simultaneous Quantification of Caffeine, Quercetin and Kaempferol from Tea and Green Tea Samples using HPTLC**
  - Conducted HPTLC analysis to simultaneously quantify caffeine, quercetin, and kaempferol in black and green tea samples which demonstrated that black teas had higher caffeine while green teas retained more flavonoids.

#### **Internships:**

1. **GNC**
  - Completed a one-week research internship with GNC India, a leading health and nutrition brand.
  - Focused on opportunities in the women’s wellness sector, especially hormonal and reproductive health.
2. **PharmEasy**
  - Completed a one-week observational internship with PharmEasy, a leading Indian health tech platform.
  - Studied how digital platform’s structure access to wellness and health products for young women.
3. **Unilever**
  - Completed a 10-day internship, approximately 10-12 hours per day in the Foods Division.
  - Engaged in product manufacturing processes and consumer research activities across brands like Britannia and Amul.

#### **Entrepreneurship:**

1. **Finding foodways blog**
  - <https://www.findingfoodways.com>
  - Created a food blog talking about the history, science, culture and emotion behind food.

#### **Online Courses:**

1. **Introduction to healthcare** by University of Michigan
  - Learnt basic business and how it integrates with healthcare.
2. **AI in healthcare**
  - After learning basic healthcare, AI and Python, completed a project using machine learning to predict the origins of SARS-CoV-2 lineages based on genomic data.

#### **Competitions**

1. **Immerse essay**
  - Submitted an essay on the topic - ‘How has the rise of social media transformed our understanding of social identity and group dynamics?’

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### Healthcare Awareness Initiative

#### **KnowBody:**

- <https://www.projectknowbody.com/background>
- Founded a social initiative help reproductive health in young women, designed and distributed informational pamphlets, authored a combined journal and activity book for adolescent girls to track their cycle, through crowdfunding raised 2,19,000 INR for the women at Sukhad Foundation, had expert led workshops and had a menstrual kit drive.

#### **Grey Matters:**

- A combined initiative where kits were made and distributed to neurodivergent kids at NGOs such as Mariposa. Talks were also held.

### **LEADERSHIP**

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#### **1. House Captain and Vice House Captain**

- Organized and oversaw preparation for both interschool and interhouse events such as dramas, dances, sports.

#### **2. Deputy Head of Photography**

- Led the school and DAIMUN photography team.

#### **3. Prefect**

- Helped the student council with academic and disciplinary work.

### **SCIENCE PURSUITS**

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#### **Internships:**

##### **1. Metropolis**

- Interned under Dr. Kirti and Dr. Rakhi Bajpai at the Department of Pathology for two weeks
- Observed key biochemical diagnostics such as Liver and Kidney Function Tests, CBCs and Thyroid Profiles

##### **2. Reliance Hospital**

- Completed a clinical internship under Dr. Feroze Parikh at the Department of Fertility and Reproductive Medicine
- Shadowed Dr. Parikh across procedures involving IVF technologies such as ICSI and embryo freezing

#### **Enrichment Courses:**

##### **1. Chemicals and Health** by John Hopkins University

- Studied the environmental impact of chemicals on human health, toxicology, and biomonitoring

##### **2. Addicted Brain** by Emory University

- Explored neurobiological and psychological aspects of addiction and its impact on decision-making and motivation

#### **Volunteer Work**

##### **1. Roti bank**

- Led an online fundraising campaign for Roti Bank and organized a grain collection drive
- Spent every weekend volunteering outside KEM Hospital, distributing rotis and meals to underserved communities

##### **2. Muktangan**

- Spent time with the children at muktangan through weekly visits there.

##### **3. Cuddles Foundation**

- Attend multiple workshops, helped with the children as well as photograph for their website.

##### **4. Keto fundraiser**

- Raised 2 lakhs for the KETO habitat for humanity

##### **5. COVID fundraising**

- Raised 3.5 lakhs thorough selling baked goods, which was then donated to underprivileged families

#### **Competitions**

##### **1. STEMathon**

- Participated in a business and science interrelated STEM competition.

### **EXTRACURRICULAR ACTIVITIES**

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#### **1. Soccer**

- Represented the school football team in inter-school tournaments since the 7<sup>th</sup> Grade and promoted to Vice-Captain

#### **2. Indian Classical Vocals**

- Training with Mr. Vaibhav Mankad in Hindustani Classical Music, completed Trinity Grade 1 in Vocals with Distinction

#### **3. Photography portfolio**

- Created a curated photography book on Mumbai, capturing historic landmarks, street culture, faith, and art to showcase the city's diversity.

#### **4. MUN**

- For consecutive years participated and led the DAIMUN photography team.

#### **5. Java Programming**

- Completed a foundational course in Java programming taught by Mr. Ashok Jahagirdhar

#### **6. Inspirit AI**

- Applied concepts using Python and built basic AI models to address real-world problems.

### **MEDIA AND ADVERTISING**

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#### **Internships:**

##### **1. Times Now**

- gained hands-on experience in the business of broadcasting, exploring the commercial, operational, and digital aspects of television and digital media

## **2. CNTC Media**

- Assisted in digital marketing, social media, and creative campaign development.

## **SKILLS**

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**Java, Python, DSLR Photography, Adobe Lightroom**

## **INTERESTS**

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**Cooking, Skateboarding, Paddle, Football, Music, Photography, Travel**