

RESUME

EDUCATION

Jamnabai Narsee School, Mumbai, India

2009 – Present

- *International Baccalaureate (IB) Diploma: Grade 12 – May 2013*

- *I.G.C.S.E. Board Examination: Grade 10 – May 2011*

iD Tech- Summer School at Stanford University, California

2010

- Earned 7-credits for a course in Video Game design using the UNREAL Engine

- Created Maps and MODs for UNREAL Tournament 3, using C# and UDK

ACADEMIC HONORS & PRIZES

- Won Certificate of honor for outstanding Achievement in University of Cambridge Board Examination- 93% in best five subjects
- World Topper in University of Cambridge IGCSE Chemistry- (100 percentile)
- Won Certificate of honor for distinction achieved in the University of Cambridge Board Examination
- Won certification of achievement for Outstanding performance in the World Robot Olympiad 2010, Manila, Philippines.

Leadership

International Youth Conference 2012, Mumbai, India

2012

-- Organized and planned the event themed around the G 8, G 14 & G 20;

-- Invited participants from schools across India as well as Netherlands, Singapore and other Asian countries;

-- Designed the website (<http://jns.ac.in/IYC/>) filmed and uploaded adverts for the program, prepared the study guide.

ROBOTIC ACHIEVEMENTS

Indian Robot Olympiad

2009 – 2011

-- Winner of Indian Robot Olympiad 2011

-- Winner of Indian Robot Olympiad 2010

-- Achieved 2nd position in Mumbai and 8th all India, Indian Robot Olympiad 2009

World Robot Olympiad

2009 – 2011

-- Represented India at The World Robot Olympiad 2011

-- *Winner* at The World Robot Olympiad 2010 for the **Best Technical Skills**

Intel Science and Engineering Fair

2012

-- Submitted Research on the Fall-ior shoe- a mechanical assistance to elderly for safe walking

-- The shoe has a ball-and-socket joint to correct the motion and a sensor based circuit to guide them through obstacles

FIRST Lego League

2009 – 2010

-- Achieved 2nd Position in Mumbai, FIRST Lego League Body Forward 2010

-- Achieved 3rd Position in Mumbai, FIRST Lego League Smart Move 2009

Robotic Competitions at The Indian Institute of Technology

2009 – 2011

-- Achieved 3rd Position in TRICKS, a competition for engineering students, IIT, Mumbai 2010

-- Achieved 5th Position in TRICKS, a competition for engineering students, IIT, Mumbai 2009

-- Invited to showcase DaRWIn, a dancing robot, at the International Arena at the IIT-Techfest, IIT, Mumbai

Robotics Club

2011 – Present

-- Taught robotics to students in the age group of 10-12; made products ranging from *Domabots, Humanoid,*

Wireless remote-controlled F1 Race car, Pole-climbing Robot, Tribots, Temporary Bridge Carrier, Robotic arm, Submarines

-- Trained students to participate in National and International Olympiads.

Programming Languages

2008 – Present

-- Learnt C!MPLE (for robots built using iPitara kits of Robo.in), NXT-G (for robots that use

Lego Mindstorms NXTs), RobotC (for robots that use Lego Mindstorms NXTs and Tetrax by PITSCO) and ArduinoC (for robots that use Arduino as the microcontroller)

Robot-Assisted Titration

2012 – Present

- My research on the accuracy of Robotic Assisted Titration is in progress.
- I am building a robot that is a self-sufficient titrating device and comparing the accuracy of the robot to manual titration and theoretical values.
- The idea is to prevent Lab Accidents and to improve the accuracy.

Metallurgy- Brass

2012 – Present

- I am researching on the mechanical and structural properties of Brass and finding a correlation between the properties exhibited and the percentage of copper used to make the alloy.
- My research includes and in-depth research on the formation of alloys and the properties that determine the characteristics of the alloy.

COMPUTER SCIENCE INITIATIVES

Programming Languages

2008 – Present

Learnt

- *GW Basic* and *BlueJ* (OOP language on Java Platform);
- *C*, *C++*, *C#(C sharp)*, *ArduinoC*, *RobotC*
- *JavaScript*
- *HTML*, *CSS*, *PHP*
- *Python*
- *NXT-G* and *CiMPLE*
- Know the entire *Adobe Creative Suite Family*.

University of Cambridge Certifications

2010 – Present

- Achieved certification for fulfilling required standards for the following modules 'for a purpose':
Documents, multimedia, spreadsheets, data bases, website design, networks, video and animation

INTERNSHIPS

Richi Lader, Mumbai

Garment Manufacturer and Exporter

2012

For 8 consecutive years Richi Lader has been awarded the best shirt manufacturer, by Shopper's Stop (India's Largest Retail Chain)

Summer Intern

- Completed a two week internship to study the organizational, designing and manufacturing processes of Shirts and different garments.
- Chiefly studied the economic aspects of buying-selling, as well as the economics of using cotton produced in India, versus the cotton produced in Africa.
- Learnt the dynamics of exports and the domestic aspects of the textile industry.

COMMUNITY SERVICE

Project SVAYAM- Lankhania Village, Kach, Gujarat

2010

- Assisted with setting up a hospital at Lakhania Village, Gujarat.(Grade 11)
- The project entailed fund raising campaign, spreading awareness and educating villagers.

JNYES, Mumbai

2010

- a school initiative to help Mumbai become eco-friendly, Working on implementing the installation of a pump at school that would help save 100 liters of water a day.

Agastya International Foundation, Kuppam Village, Andhra Pradesh, India

2012 – Present

Charitable foundation involved in promoting science in rural India

- Organized a robotics workshop to teach basic robotics concepts to rural children, in an innovative and economical way;
- Assisted in fabricating models of basic scientific and mathematical phenomenon.

SPORTS

Baseball & Softball

2009 – Present

Played as the First Base

- 'Merit' Certificate (Third Place) awarded in the Junior Baseball State Championships organized by the Maharashtra State Baseball Association, 2010
- 3 Time Team Champions in the Mumbai District-Level Softball Tournament organized by the Government of Maharashtra- 2008, 2009, 2010
- 3 Time Team Champions in the Mumbai District-Level Baseball Tournament organized by the Government of Maharashtra - 2008, 2009, 2010
- Winners at the 16th Sub-Junior State Softball Championship, organized by the Maharashtra State Softball Association (recognized by the Government of Maharashtra). 2009

Soccer**2008 – Present**

-- Constantly participated in inter-house tournaments finishing first and second on numerous occasions

Handball**2009**

-- Participated within the school in inter-house tournaments

EXTRACURRICULAR ACTIVITIES**International Award for Young People by The Duke of Edinburgh****2009 – 2010**

-- Awarded *Silver* Award - 2010

-- Awarded *Bronze* Award – 2009

Harvard Model Congress Asia 2012, Mumbai**2012**

-- Was the delegate of Japan in the UNFCC (United Nations Framework on Climate Control)

Mumbai MUN 2012, Mumbai**2012**

-- Was the delegate of India in the DISEC (Disarmament and International Security Committee)

International Youth Conference 2011, Mumbai**2012**

-- Was the delegate of Japan in the futuristic G14 Committee

INTERESTS

Guitar, composing electronic music, Reading, Gaming, Movies, Theatre & Travelling