

JEEVIKA GHOSH

17, Golf Links, 3rd Floor, Pali Hill Extension Road, Union Park, Khar (west), Mumbai 400 052, India

Tel no.: 02226489070 | Mobile no.: +919930764436 | Email: jeevika.ghosh7@gmail.com

RESUME

EDUCATION

Dhirubhai Ambani International School, Mumbai, India

-- Will appear for International Baccalaureate (IB) Diploma at the end of Grade 12 – May 2017

2003-2017

-- Completed Cambridge International Examinations International General Certificate of Secondary Education (IGCSE)

2015

ACADEMIC AWARDS & HONOURS

- Achieved 8/9 A*s in IGCSE Board Exams 2015
- Achievement awards for Academic Excellence in English Language and Literature, Chemistry and Spanish Ab Initio in Grade 11 2016
- Effort award for significant progress in Geography in Grade 11 2016
- Citizenship award for outstanding Leadership and highest level of commitment to community service in Grade 11 2016
- Achievement awards for Academic Excellence in Extended Mathematics, Chemistry, Geography in Grade 10 and Grade 9 2014-2015
- Effort award for significant progress in English in Grade 10
- Honor Roll Award for Academic Distinction and Excellence in Grade 10 2015
- Effort award for significant progress in Hindi in Grade 9 2014

PETROLEUM EXPERIENCES

Interned at ONGC (Oil and Natural Gas Corporation)

2016

Undertook a four-week internship at ONGC in the summer. ONGC is an Indian multinational oil and gas company headquartered in Dehradun, Uttarakhand, India. It is India's largest oil and gas exploration and production company.

Laboratory observations

--Spent a week at the Regional Geoscience Laboratory and saw processes linked to geochemical, drilling fluid, oil, corrosion, biochemical, cement and geotechnical analysis

--Visited Institute of Engineering and ocean technology (IEOT) and all the departments (Geotechnical Engineering, Structural Engineering, Material and Corrosion Section, Alternate energy section and Gas Hydrates)

--At Institute of Oil and Gas Production (IOGPT) I learned about Petroleum production engineering Natural gas engineering and processing, Pipeline design and operations, Corrosion and its control in oil & gas production, Well analysis Well testing

--Learned at Institute of Oil and Gas Production (IOGPT) with graduate trainees in their specialized training program.

Research

--Crafted a project with the help of the professors and graduate trainees at IEOT

--Processes explained include: Detection and Drilling of Oil and Gas Wells and Management of reservoirs

Other Activities at ONGC's main office

--Interacted with the employees of Human Resources, Corporate Communications, and Corporate Social Responsibility departments to discover the inner workings of ONGC and learn about the secondary/Support services

Interned at ROTOSTAT PVT. LTD.

2015

I spent 25 days at Rotostat Pvt. Ltd. in the summer. Rotostat Pvt. Ltd. provides support services to petroleum companies

--Learned about the Erection, Commissioning & Testing of Rotary equipment (Gas Turbine, Steam Turbine, Diesel Generating Sets) Static Equipment (Heat Exchangers, Pressure Vessels, Columns, Agitator, Scaffolding with owned materials)

--Worked with top engineers of the company to understand the processes accurately

STEM (Science, technology, engineering and mathematics) INITIATIVES

Publication in Good Homemaker Magazine

2015

Good Homemaker Magazine is today the fastest-growing women's magazine in India. It is the contemporary, urban Indian woman's self-help manual for all aspects of her life.

--Took interviews of people who have established careers in the STEM fields

--Created awareness about the lack of women in STEM fields and the reason for this disparity

"Empowering women in STEM" blog

2016

Initiated and conceptualized a blog with interviews of women who have careers in the STEM fields

--The main purpose of the blog is to create a supportive community for women in STEM fields

--Brought the stories of women who have experienced hardship and struggle in their respective STEM fields to the forefront

STEM club, Dhirubhai Ambani International School

2016

Founded the STEM club which is about science outside the classroom and building a supportive community revolving around the STEM fields and de-stigmatizing the notion that STEM fields are only limited to males

--Provided support for members if he or she wanted to discuss new ideas and go forward with a project in the STEM fields.

--Explored the various options of a future in STEM and encouraged the members' creativity in the same.

TRIBAL COMMUNITY OUTREACH

Jaag Foundation, Borivali (W), Mumbai

2014-2016

Jaag Foundation is committed towards systemic development of oppressed tribals, bringing social, political and economic justice to the tribals in Maharashtra

Fundraisers for Jaag Foundation

- Conducted research in MET (Mumbai Educational Trust) about resin and its uses. Made Jewelry out of Resin using computer aided design software (CAD) and presented the pieces in the exhibition in a Jewelry store for two day The profit made on the exhibition was forwarded to the Jaag Foundation
- Hosted another exhibition with warli art paintings made by the tribals and promoted the event
- The main purpose of the second exhibition was to revive tribal culture

Education reform and Curriculum Development

- Pre Primary and Education Support Program benefiting 275 tribal children was developed
- The new curriculum provided educational opportunities to the tribal children
- Initiated the building of Community Libraries in Sanjay Gandhi National Park, which will promote a culture of reading among the people of the slums and bring information close to the students
- Conducted Exposure tours of students residing at Sanjay Gandhi National Park to the Planetarium, and Museum

Environmental upheaving

- Took part in the plantation at of 1500 fruit bearing trees at Sanjay Gandhi National Park
- Initiated the distribution of 400 solar lamps amongst 11 tribal hamlets of Sanjay Gandhi National Park

ONLINE COURSES AND HACKATHONS

Placed 3rd in Microsoft's countrywide Hack4India	2015
<ul style="list-style-type: none"> --Created a desktop application called "E-Krishi", with python geo-analytical API's, which used an agricultural simulation with dynamic values of humidity, altitude, temperatures based on the current latitude and longitude --The main aim was to teach logical reasoning in CS and basic economic principles for schools in rural areas of India. It used real time prices with the help of a web crawler that grabbed information from government websites 	
"Introduction to Engineering Mechanics" online course by Georgia Institute of Technology	2016
<ul style="list-style-type: none"> --Earned Certificate and achieved the grade of 93.3% (https://www.coursera.org/account/accomplishments/certificate/XRA9L4XSTDNB) 	
"Introduction to Chemistry: Structures and Solutions" online course by Duke University	2015
<ul style="list-style-type: none"> --Earned Certificate and achieved the grade of 92.5% (https://www.coursera.org/account/accomplishments/certificate/CYDRNG5QQS) 	

CONFERENCES AND EXCHANGE PROGRAMS

Spanish Cultural Exchange Program	2015-2016
<ul style="list-style-type: none"> --Hosted a student from the Colegio Internacional SEK-Ciudalcampo, Madrid, Spain --Stayed with a native family during the trip to the Madrid, Spain 	
Harvard College US-India Initiative (HUII)	2015
<p>HUII is a student-run organization that aims to create dialogue between Indian and American youth to address some of India's most pressing social, economic, and environmental issues today</p> <ul style="list-style-type: none"> --Heard Keynotes from leaders in their respective fields on prevalent issues of India --Had panel discussions with politicians, industry executives, and NGO leaders involved in fields relevant to the various topics 	
Roman Exchange program with RIMUN (Rome International Model United Nations)	2014
<ul style="list-style-type: none"> --Represented Nepal in the General Assembly in the conference --Stayed with a native Italian and learned about the culture and language of Rome 	

OTHER COMMUNITY SERVICE

Web Documentary Series for Woman Empowerment	2016
<ul style="list-style-type: none"> --Initiated and conceptualized a Web documentary series --Included issues such as Female Genital Mutilation, Acid attacks, and inequality (in terms of leadership positions and equal pay) 	
Hassachipatti and Kumbarghar	2014-2016
<ul style="list-style-type: none"> --Designing and Construction of steps, primary school, toilets and bricks --Teaching villagers computer and other soft skills: personal hygiene, alphabets and basic English 	
Volunteer at the Aakanksha School	2015-2016
<p>A non-profit organization with a mission to provide children from low-income communities with a high-quality education, enabling them to maximize their potential and transform their lives.</p> <ul style="list-style-type: none"> --Team leader for the Aakansha Stall in the CASfete 	

OTHER ACTIVITIES

IAYP	2014-2015
<p>IAYP is a leadership award focusing on Service to community, Adventurous journey, Skills and Physical recreation</p> <ul style="list-style-type: none"> --Completed Bronze and Silver standard of the International Award for Young People 	
Kathak	2010-2016
<ul style="list-style-type: none"> --Trained Kathak dancer for 7 years and participated in several shows --Have given 7 government exams in Kathak from the Akhil Bharatiya Gandharva Mahavidyalaya Mandal 	
Research Projects	2016
<ul style="list-style-type: none"> --Modeled the caffeine intake and optimization of consumption in humans using differential equations and Laplace transforms --Examined how choline percentage in foods affects the moisture loss in hair --Analyzed how position of mass affects angular momentum and velocity for its applications in Kathak --Researched the effects of acids and bases on the fabric used to make lab coats 	

INTERESTS

Travel, Baking, Mixology, badminton, Nature and Environment