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OBJECTIVE

To obtain a challenging position and develop expertise in the provided fields while contributing through my strong theoretical and practical knowledge of chemical engineering and coding skills.

EXAMINATION	University	Institute	Year	CPI/%
Graduation	Rajiv Gandhi Institute of Petroleum Technology	Rajiv Gandhi Institute of Petroleum Technology	2017-21	6.64
Intermediate/+2	CBSE	St. Joseph Public School	2017	90%
Matriculation	CBSE	Gwalior Glory High School	2015	10 CGPA

INTERNSHIP /ACADEMIC PROJECTS

Industrial Field Trip

Indian Oil Cooperation Limited, Panipat

Visited the industry of IOCL and learned about different towers, units, and control rooms. Went near a safety outpost and learned about all the conditions which can lead to certain disasters and how they can be prevented. Had a great insight about how the industry works and learned how to be a better professional at job, which is by having a firm knowledge of the field and safety procedures.

Internship

Projects development, GAIL (India) Limited

Compassed 4 weeks internship at GAIL (India) Limited in the winter of 2019 in the department of **Projects development**. I learned about the working of the department and its uses in the industries.

- Gained expertise on an ongoing project of the company "**Di-Methyl Ether Plant Set-up based on Bio-based/ Natural Gas/ Coal for LPG binding/ Diesel Substitutions**".
- Optimized a report on the topic consisting of the study of different DME plants and its processing based all over the world and theoretical analysis of the economy for setting up a plant in India.

Research Project

Nano-science Lab, Rajiv Gandhi Institute of Petroleum Technology

Worked on my research project in the field of Nano-science on the topic **Nanoclusters** and **2D Perovskite** under **Dr. Debashis Panda** (Assistant Professor, Department of Chemistry, Rajiv Gandhi Institute of Petroleum Technology)

- Studying about the chemicals and the chemistry involved in the formation of Nanoclusters.
- Performing the experiments in quest to get the desired results.
- Testing and Statistical analysis is being done of the prototypes.

Designing of Dehydration Unit

Natural Gas Production

- Evaluated various dehydration properties of Ionic Liquid and Designed a Dehydration Unit which utilizes the unique desiccant properties of Ionic Liquid in place of Tetra-Ethylene Glycol.

Measuring Heat Transfer Coefficient for Staggered Tube Bank

Heat and Mass Transfer

- Measured minimum heat transfer coefficient with the knowledge of heat and mass transfer and by requisite skills such as C++ and MS Excel.

AWARDS AND ACHIEVEMENTS

- Published an article based on the project on data science in the **DEW Journal** February 2018 Edition.
- Achieved 1st position at project on data science named 'Mexico Oil and Gas Pipelines' presented in Winter School 2017-18 held in February 2018 at RGIPT.
- Acquired 1st position in Stage Play at Kaltarang 2018.
- Runner- Up in Fashion Show at Kaltarang 2018.
- Played **State-Nationals** in Lawn Tennis in 2015 representing Madhya Pradesh held in Delhi by ALL INDIA TENNIS ASSOCIATION (AITA).
- Played **CBSE Clusters West Zone** in Lawn Tennis representing Gwalior Glory High School.
- Acquired Rank #3 in Madhya Pradesh State Championship in Lawn Tennis.
- Represented Gwalior Glory High School at District Level Football Tournament and held Runner Up.
- Won the Annual House Trophy in year 2014 as the House Prefect.

TECHNICAL SKILLS

- **C++:** Learned in the course of BTech. Program.
- **Python;** Completed online courses from Coursera, DataCamp, Udemy and edX.
- **R:** Completed online courses from Coursera and DataCamp.
- **MATLAB:** Done basics for help in research work.
- **AutoCAD:** Learned in the course of BTech. program.
- **Origin:** Done basics for help in research work.
- **Microsoft Office:** Done basics for daily purposes.
- **Tableau:** Completed online course from Udemy.
- **Gretl:** Completed online course from Udemy.

POSITION OF RESPONSIBILITY

- Led a project on data science consisting of a team of 5 members, and presented the project in Winter School 2017-18 held in February 2018 at RGIPT.
- Took responsibility as the captain of the Lawn Tennis team which participated in State-Nationals in 2015, representing Madhya Pradesh, held in Delhi by ALL INDIA TENNIS ASSOCIATION (AITA).
- Worked as the Co-Head of Event Management team at IChE and AChE.
- Worked as the Head of the Drama Club, Freshman Sponsorship and Event Management team at Kaltarang 2019.
- Worked as the Head of the Table Tennis and Lawn Tennis team and Freshman Event Management team at Energia 2019.
- Worked as the Head of the Drama Club, Sophomore Event Management and Cyber-gaming team at Kaltarang 2018.
- Worked as the Head of the Junior Table Tennis and Lawn Tennis team and Sophomore Event Management team at Energia 2018.

WORKSHOP AND CONFERENCES

Winter School Project

Presented a project on **Data Science** named 'Mexico Oil and Gas Pipelines' presented in Winter School 2017-18 held in February 2018 at RGIPT.

- Knowledge about Natural Gas and Oil was acquired.
- Raw data-sheets were collected on the pipelines of Oil and Gas in Mexico.
- Completed courses required for the Data analysis of the raw data.
- Plotted graphs and concluded about the productions and the accidents occurred in different wells throughout the Mexico in the past 20 years.

Internet of Things

Attended a 3 days' workshop on Internet of Things conducted during Winter School 2018.

Data Science

Attended a 3 days' workshop on Data Science conducted during Winter School 2018.