



Deepak Chugh

Engineer



Contact

Address

New Delhi, India, 110015

Phone

9711620525

E-mail

dc225378@gmail.com



Professional Summary

Highly skilled and result oriented engineering professional offering exceptional troubleshooting and safety management skills. Methodical and poised with commitment to driving process improvement. Possess a vast knowledge of oil and gas process simulation also excellent familiarity with polymers



Education

2017-08 -
Current

Bachelor of Technology: Polymer Science And Chemical Technology

Delhi Technological University (Formerly D.C.E) - Shahbad Daulatpur, Main Bawana Road, Delhi-110042.

2016-03 -
2017-05

High Secondary School(12th): Science - Non Medical

Bal Bharati Public School - SGRH Marg, Old Rajinder Nagar, New Delhi-110060

2014-04 -
2015-05

Secondary School(10th)

Bal Bharati Public School - SGRH Marg, Old Rajinder Nagar, New Delhi-110060



Internships

2020-06 -
2020-08

Chemical Engineering Intern

Delhi Technological University, New Delhi, Delhi

- Summer Project(Soap production plant) under **Dr. Manish Jain, Professor, DTU**
- Studied in detail about soap with my team of fellow classmates by using various techniques – Cold process, Semi boiled process, Full boiled process, Continuous Saponification
- Developed a model of commercial soap production unit with my team considering raw materials, implementing and analyzing the overall cost factor.
- Oversaw solution production tasks, including mixing, distillation, drying, crushing, and containment.
- Created and implemented safety protocols and procedures to reduce accidents attributed to chemical spills.

2019-05 -
2019-08

Programing Intern

AVL, New Delhi, Delhi



Skills

Analytical and critical thinking

Process Engineering

Manufacturing development

Polymer Chemistry

Qualitative Analysis

Troubleshooting

Risk Management

Hazardous Materials

Excellent researching skills

Chemical processing skillfulness

Operational Efficiency

Microsoft Office

MySQL

Java/C/C++

Python

Logical Reasoning

Mathematical Analysis



Languages

English

●●●●●
Excellent

Hindi

●●●●●
Excellent

German

●●●●●
Good



Interests

Lawn Tennis

Debate

Gaming

Music

- Learnt various software development skills and strategies.
- Assisted the company's software development team and worked on various projects like Payroll Management System.
- Created databases, data entry systems, web forms and other applications for diverse uses.



Ongoing Project

- **Graphene oxide based Biosensors** - Currently pursuing project under the guidance of Dr. C.M Pandey,DTU
 - Synthesized Graphene Oxide using modified Hummer's method
 - Did it's complete characterization including SEM, XRD, FTIR
 - Graphene Oxide was deposited onto Si wafers based Ni films.
 - Due to its unique thermal, mechanical and electrical properties it is used for electrochemical sensing worldwide.



Accomplishments

- Selected on merit basis to represent Bal Bharati Public School in “**Exchange Programme to Germany**” in 2014-15.
- Successfully accomplished “**Each One Teach One**” campaign and taught a student at the school level.
- Took keen interest and bagged 2nd position in Dramatics event – “**Starlife Competition**” at school level.
- Actively participated in Lawn Tennis at school level and won various competitions.
- Enthusiastically indulged in various debate competitions and won a number of events at school level.
- Helped in conducting and coordinating various Fests in the College



Certifications

- | | |
|---------|---|
| 2020-12 | ● Programming for Everybody from University of Michigan via platform CourseEra |
| 2020-12 | ● Python Data Structures from University of Michigan via platform CourseEra |
| 2020-06 | ● Advertising and Society from Duke University via platform-CourseEra |
| 2020-06 | ● Successful Negotiation – Essential Strategies and skills from University of Michigan via platform CourseEra |