

# Deep Jain

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Email

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## Education

Birla Institute of Technology and Science, Pilani

BACHELOR OF CHEMICAL ENGINEERING: **CGPA 8.18/10.0**

Rajasthan

Oct. 2020 - Sep. 2024

## Work Experience

INMOBI Technologies Pvt. Ltd.

Bengaluru

Product Analyst Intern

Jul. 2023 – Dec. 2023

- Engineered **5+** DSP (product) dashboards using **Power BI** and **Excel** providing insights to several stakeholders on important KPI's.
- Automated **6+** reports & dashboards using **PySpark, SQL and Python** and saving **750+ hours/ year** for **10+ teams**.
- Completed **5+** high-impact analysis using **Databricks** saving costs and increasing profits by over **10%** about **~\$3,000/month**.

GAIL India Ltd.

Bengaluru

Operation and Management Intern

Jun. 2022 – Jul. 2022

**Project 1:** Analyze GAIL operations, maintenance and conduct an in depth research on scope of CNG business.

**Project 2:** MATLAB-based machine learning-based task transfer model to predict the calorific value of the fuel.

- Conducted **Market research** and **Competitor Analysis** for **10+ sectors**, assisted in daily operations and regular industrial visits.
- Constructed a **Machine Learning** model by **MATLAB** using pipeline speed of sound to find calorific value over **99%** Accuracy.
- Trained on over **30,000 samples** while eliminating **~12%** outliers and reduced data dimensions by **70%** for data-preprocessing

## Projects

End-to-End Automated DSP Product Dashboard - Product Analytics

Oct. 2023 – Dec. 2023

- Consolidated **10+** dashboards into a single exhaustive dashboard with 5 distinct pages consisting of **20+ key metrics & 15+ dimensions**.
- Stitched **big-data** from **6+** sources like Azure blob storage and automated the entire pipeline on Power BI saving **10+ human hours / week**.

Institute Funded Laboratory Project - Individual Laboratory Research

Oct. 2021 – Jun. 2023

**Topic:** Development of conductive polymer-coated adsorbents for defluoridation applications in industrial and wastewater.

- Invented a **10%** more effective method for the fluoride removal from water by conducting and evaluating experiments on **10+** categories.
- Spent **200+ hours** on wet-Laboratory experiments, reviewed **80+ research** papers, **8+** Characterization tests to validate the hypothesis.

Demand Forecasting and Cost Optimization analysis of Cobalt Supply Chain- Supply Chain Analytics

Jan. 2023 – Apr. 2023

- Stitched Forecasted with **90+% Accuracy** the annual Cobalt Demand using data available between 2010-17 using Advanced Statistical methods.
- Developed a transportation model that exhausted the **demand** and optimized the cost to **\$3.5 billion** while ensuring a consistent **supply**.

## Positions of Responsibility

President - IICHe BITS Pilani Student Chapter

Jan. 2023 - May 2024

APOGEE Coordinator - Chemical Engineering Association, BITS Pilani

Jun. 2022 - May 2023

Student Lead - Academic Counselling Cell, BITS Pilani

Jun. 2022 - May 2023

Music Coordinator - Marudhara (Rajasthan, Cultural Club), BITS Pilani

Jun. 2022 - May 2023

## Skills and Courses

**Courses:** Product Management, Supply Chain Analytics, Separation Processes, Pollution Control, Plant Safety

**Technical Skills:** Power BI, MS Excel, SQL, Python, Azure Databricks (PySpark), MATLAB, ML, MS Office, JIRA, Aspen HYSYS

## Achievements & Certifications

AIR 200 in EE GATE 2024 and AIR 1265 in CH GATE 2024 – IISc Bangalore

Mar. 2024

Won the 14th Aegis Graham Bell Awards (7 Lac Scholarship) – Aegis School and MEITY, Govt. Of India

Dec. 2023

Six Sigma Yellow Belt – 6Sigmastudy, VMEdU Avondale, Arizona

Jun. 2023

Product Management - Internshala Trainings (*Top Performer*)

Jun. 2023

Data Science - Internshala Trainings (*Top Performer*)

Jun. 2023

## Interests

**Professional Interests:** Founder's Office, Data Analysis, Product Management, Supply Chain, Sustainability (ESG)

**Recreational Interests:** Singing, Chess, Movies, Learning New Skills, YouTube Gaming, Swimming, Mobile Gaming, Socializing.