Deep Jain

+91 9043196170 | deepjain.work@gmail.com | LinkedIn

Education

Birla Institute of Technology and Science, Pilani *Rajasthan*
BACHELOR OF CHEMICAL ENGINEERING: **CGPA 8.18/10.0** *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.