
SKILLS

- **Languages:** SQL (MySQL, ETL Pipeline), Python (Scikit-learn, NLTK, SpaCy, TensorFlow, Keras), Lang Chain, Hugging Face, Open AI API
- **Computer:** [Certified Tableau Desktop Specialist](#), Advanced Excel, MS Access, Power BI, Hadoop, Informatica, AWS Infrastructure
- **Technical:** Data Visualization, Statistics, Business Processes, Machine Learning, Lean Principles, DMAIC Methodology

PROJECTS [\(portfolio\)](#)

Airbnb Review Analytics, Exploring Amsterdam Hosting Landscape [\(link-1\)](#)[\(link-2\)](#)

- Analysed data using SQL and Python; created a Tableau dashboard that identified top earners, average price in various neighbourhoods, total booking, informing revenue enhancement strategies.
- Pinpointed potential clients for an Airbnb Cleaning Business via Tableau, leveraging analytics to support targeted business development.

NewsPulse AI Application [\(link\)](#)

- Developed 'NewsPulse', a Streamlit-based news research application leveraging Open AI embeddings and FAISS indexing, achieving rapid query response times and efficient information retrieval from financial domains.
- Enhanced user interaction with Lang Chain's Unstructured URL Loader for dynamic article processing, resulting in a system capable of handling hundreds of queries daily with high relevance and accuracy.

PROFESSIONAL EXPERIENCE

Applied Project (Supply Chain Analytics)

APL Logistics

Jan 2024 – Apr 2024

Scottsdale, Arizona

- Led a project to develop a Streamlit app forecasting ocean shipment time, enhancing supply chain visibility by analyzing 54k shipments and incorporating dynamic factors (port congestion, labor strikes, weather) into the predictive model.
- Created and deployed a machine learning model with an R2 score of 0.78 for shipment predictions, leveraging Tableau for data analysis and significantly improving logistics efficiency.

Engineer (Program Manager)

Cairn Oil and Gas, Vedanta Limited

Oct 2020 – Jul 2023

Surat, India

- Spearheaded initiatives leveraging Python, SQL, and Tableau to optimize operations, achieving a \$3MM cost reduction and a 10% efficiency improvement. Designed Snowflake data schemas and predictive models, driving strategic decisions.
- Led cross-functional teams in developing data-driven strategies, significantly expediting project timelines by 2 months and enhancing data accessibility. Ensured adherence to safety standards while implementing innovative solutions.

Intern

Cairn Oil and Gas, Vedanta Limited

May 2019 – Jul 2019

Gurgaon, India

- Developed a predictive analytics project using Gradient boosting algorithms that estimated Friction Factors with ~85% accuracy, leading to more efficient operations and a \$160k annual CAPEX reduction.
- Collaborated the creation of a centralized database for operational parameters, improving data retrieval efficiency by 40%.

LEADERSHIP & COMMUNICATION

- **Effective Team Leader:** Spearheaded a dedicated team of 3 in the IOWA Business Analytics Case Competition, contributing innovative strategies and analytical insights for People Analytics Case from Ball Corporation. [\(link\)](#)
- **Strategic Communication:** Vice President at FIPI IIT ISM Dhanbad, enhancing chapter engagement and collaboration.
- **Public Speaking Excellence:** Secured First Prize in Shell India's Darcy Business Challenge at IIT ISM Dhanbad, 2019.

EDUCATION

W. P. Carey School of Business at Arizona State University

Master's of Science in Business Analytics, Grade: 4.0

Aug 2023 – May 2024

Tempe, AZ

- Research Aide: Collaborating on a white paper for the [Supply Chain Resilience Initiative: Healthcare](#), distilling insights from eight industry leaders on sustaining change in healthcare through evidence-based strategies.
- Relevant Coursework: Enterprise Analytics (SQL), Descriptive and Predictive Supply Chain Analytics, Machine Learning for Business, Analytical Decision Modeling I, Marketing Analytics, Business Process Analytics

Indian Institute of Technology (Indian School of Mines), Dhanbad, India

Bachelor of Technology

Aug 2016 – Jul 2020

Jharkhand, India