Bhumit Sheth bsheth2@asu.edu

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SKILLS

- **Languages:** SQL (MySQL, ETL), Python (Numpy, Pandas, Scikit-learn, Plotly, NLTK, SpaCy, Tensorflow, Keras), Snowflake
- **Computer:** Certified Tableau Desktop Specialist**,** Advanced Excel, Power Point, Power BI, Hadoop, Dashboard Development
- **Technical:** Data Modelling, Data Warehouse, Data Visualization, Statistics, Business Intelligence, Machine Learning

LEADERSHIP & COMMUNICATION

- **Effective Team Leader**: Led a 10-member team, to conduct fishing operations in offshore well, leveraging analytical approach.
- **Strategic Communicator:** 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.
- **Competitive Achiever:** Won Environmental Quiz among 500 participants, organized by Vedanta Cairn Oil and Gas, 2019.

PROFESSIONAL EXPERIENCE

Intern (Supply Chain Analytics) Jan 2024 – Present
APL Logistics Scottsdale, Arizona

- Leveraged Machine Learning algorithms for predictive analysis of shipment ETAs, improving supply chain efficiency.
- Designed data dashboards to assess predictive model accuracy against actual transit times for carrier performance optimization.

Engineer (Business Intelligence) Oct 2020 – Jul 2023
Cairn Oil and Gas, Vedanta Limited (Largest Private Sector Oil & Gas Company in India) Surat, India

- Utilized Python and SQL for data analysis and predictive modeling, significantly optimizing drilling operations and achieving a $3MM cost reduction. Facilitated cross-functional collaboration and assure adherence to safety and compliance standards.
- Created and managed Tableau dashboards that tracked asset performance, leading to a 10% improvement in efficiency by disseminating actionable insights. Spearheaded the development of data-driven strategies by analyzing historical trends.

Intern (Data Science) May 2019 – Jul 2019
Cairn Oil and Gas, Vedanta Limited 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%.

EDUCATION

W. P. Carey School of Business at Arizona State University Aug 2023 – May 2024
Master's of Science in Business Analytics Tempe, AZ

- Research Aide: Supply Chain Resilience Initiative: Healthcare
- Relevant Coursework: Enterprise Analytics (SQL), Descriptive and Predictive Supply Chain Analytics, Data-Driven Quality Management, Data Mining and Machine Learning for Business, Analytical Decision Modeling I, Marketing Analytics
- Grade: 4.0

Indian Institute of Technology (Indian School of Mines), Dhanbad, India Aug 2016 – Jul 2020
Bachelor of Technology, Petroleum Engineering Jharkhand, India

PROJECTS

Airbnb Review Analytics, Exploring Amsterdam Hosting Landscape *self-initiated(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.

Fraud Detection Using Predictive Analysis *self-initiated (link)*

- Performed predictive modeling using Decision Trees and Random Forest classifiers for detecting fraud in credit card, utilizing hyper- parameter tuning methods such as Random Search and Grid Search to optimize machine learning models
- Enhanced training data quality by One Hot Encoding categorical features & handling imbalanced classes (90:10) with SMOTE

Predicting Homesite Insurance Quotes *self-initiated (link)*

- Predicted the probability that a customer would buy a quoted insurance plan, using different classification methods in Python.
- Built an ensemble prediction (one-layer-stacking) model, using Decision Tree, Random Forest, Support Vector Machines, Multi-Layer Perceptron and K-Nearest Neighbors classifiers accomplishing 90% + accuracy