

Archit Dudeja

(801) 634-8971 | archit.dudeja@outlook.com | [architdudeja.github.io](https://github.com/architdudeja) | linkedin.com/in/archit-dudeja

EDUCATION

University of Utah

Master of Science - Information Systems | Business Analytics | GPA: 3.98/4.0

Coursework: Data Mining, Data Engineering, Statistics & Predictive Analytics, Data Science & Big Data, Machine Learning

Salt Lake City, UT

Aug 2023 - Dec 2024

Manipal University Jaipur

Bachelors of Technology - Information Technology | GPA: 3.61/4.0

Coursework: Machine Learning, Data Mining & Warehousing, Database Management Systems, Python, Data Structures

Rajasthan, India

Aug 2017 - Jun 2021

SKILLS

Languages and Tools: Python (Scikit-learn, PyTorch), SQL, R, RShiny, Git, AWS, Excel, SSAS, SSRS, Apache Airflow

Data Science Techniques Regression, Time Series Learning, Naive Bayes, Neural Networks, Random Forest, Decision Trees

BI Tools: Tableau, Microsoft PowerBI, Google Looker Studio

Database: MySQL, SQLite, PostgreSQL, Oracle SQL

EXPERIENCE

University of Utah Health

Data Analyst Intern

Salt Lake City, UT

May 2024 - Aug 2024

- Led migration from SAP Business Objects to Tableau, consolidating 23 high-value revenue reports into a single dashboard used by over 250+ active daily users to streamline data visualization and optimize query efficiency
- Engineered Tableau Reports encompassing transactions exceeding \$10 million for Revenue, Cost, and Payments, enabling data-driven decision-making and devised a gradient-boosted forecasting model in Python, with 84% data accuracy
- Deployed an R Shiny application to enhance doctors' appointment scheduling. The app manages overbooking risks, accounting for last-minute cancellations and no-shows, thereby increasing appointment efficiency by 30%

University of Utah

Graduate Teaching Assistant

Salt Lake City, UT

Mar 2024 - Present

- Collaborated with faculty members to facilitate courses in Business Analytics Fundamentals, Intro to Business Analytics, and Stats and Predictive Analytics for over 100 students, enhancing their understanding of analytics concepts

Accenture

Associate Data Analyst

New Delhi, India

Jun 2021 - Jul 2023

- Streamlined client communications and escalations among 5+ cross-functional teams, analyzing requirements utilizing PowerBI and Excel Pivot tables, achieving 95% client satisfaction in the first year of operation.
- Designed an inventory dashboard to identify and resolve overlapping processes in 200+ client service centers, freeing \$2M+ in capital, empowering client regional managers to drive informed decisions.
- Spearheaded an automation initiative, orchestrating the analysis of a portfolio of over 50 applications using PL/SQL and SSIS to improve ETL turn-around time, achieving a 40% reduction in data processing time
- Programmed a Monitoring application to improve resource utilization using Microsoft Power Apps, driving operational efficiencies through intelligent automation and reducing human involvement to less than 10%

Panchtatva Advertising

Data Engineering Intern

New Delhi, India

Feb 2021 - May 2021

- Engineered a data pipeline to extract data from Google Ads using Python and SQL to analyze and improve performance metrics, resulting in 30% faster data processing. Implemented machine learning models to predict CTRs and customer LTV, improving forecast accuracy by 40% and enabling optimization in ad spend
- Migrated visualization from Excel to PowerBI to reduced reporting time by 75%. Implemented A/B testing framework and modeled a time series forecast using SARIMAX, leading to a 25% increase in ROAS (Return on Ad Spend).

PROJECT EXPERIENCE

Primary Children's Hospital - Primary Healthcare Tableau Dashboard

Feb 2024 - Jul 2024

- Designed and implemented a personalized health Tableau dashboard, enabling comprehensive visualization and analysis of patient health metrics utilizing the Redcap Database, resulting in a 20% increase in informed decisions by patients.
- Pioneered an ETL pipeline using Python to extract patient data into Tableau from the Redcap Database, enhancing usability by 50% and migrating paper-based patient records to digital form.

University of Utah - Data Engineering Project

Nov 2023 - Dec 2023

- Engineered a data pipeline leveraging the Surflin API for data extraction, SQL for data modeling, Apache Kafka for ETL streamlining, AWS S3 bucket for data storage, and Google colab as a development environment using Python. Developed a gradient-boosted tree to forecast future trends using historical data with 85% accuracy.

CERTIFICATES

Graduate Certificate in Business Analytics - University of Utah

Intermediate SQL - Datacamp