**[Dhawal Panchal](https://www.notion.so/Dhawal-Panchal-5b81a0634abf4940acff48492dfcb43b)**

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LinkedIn: [LinkedIn Profile](https://www.linkedin.com/in/dhawalpanchalcloud/) |Profile: [Project Portfolio](https://thread-nutmeg-07a.notion.site/Dhawal-Panchal-5b81a0634abf4940acff48492dfcb43b?pvs=4)

**Summary**

Proven expertise in leveraging data analytics and visualization to drive performance improvements and decision-making. Skilled in SQL, Python, Tableau, Power BI, and business solution optimization. Experienced in experimental analysis, modeling, and hypothesis testing to improve campaign efficiency and customer acquisition strategies.

**Technical Skills**

**Relational Database**: MS SQL Server 2019, MySQL, PostgreSQL

**SDLC:** Agile, Scrum, Waterfall, and Spiral

**Data Modeling:** Lucid Chart, MS Visio, ER-win

**Database Programming:** T-SQL, Dynamic SQL, DAX

**Experimentation & Modeling:** Visual Studio, SSMS, SPSS, SAS

**Programming Skills:** Python, R, Hadoop , Spark, Hive, Impala

**Reporting Tools**: Excel, Power BI, Tableau, R studio, Looker, Look ML

**Source Control & Collaboration Tool:** Team Foundation Server (TFS), SharePoint. DBT, Git

**Cloud Technologies:** AWS, GCP, Azure

**Additional skills:** Statistical analysis (hypothesis, ANOVA, regression, decision trees etc.) , Data – Extraction, Modeling, Analysis &Visualization

**Projects**

## **Superstore Sales Data Forecasting |** *Python, NumPy, Matplotlib, Pandas, Stats models*

* Developed a univariant time series forecasting model using ARIMA to predict Superstore sales revenue data.
* Utilized libraries such as NumPy, Matplotlib, Pandas, and Stats models for data transformation and modeling, with visualizations created in matplotlib to analyze sales over time.

**Seattle Air Quality Forecasting |** *DBT, GIT, Big Query, ARIMA (generative AI), Looker, SQL*

* Developed a multivariate time series forecasting model using ARIMA\_PLUS\_XREG to predict air quality levels in Seattle
* Utilized Google Big Query and DBT Cloud IDE for data transformation and modeling, with visualizations created in Looker Studio to analyze air quality trends over time.

**IMDB Reviews Sentimental Analyst |** *Big Query, Vertex AI (generative AI), Looker, SQL*

* This project involved establishing a Vertex AI connection in Big Query, trained data model using test-bison LLM.
* Conducted sentiment analysis on 10K movies reviews by extracting top keywords, labeled the reviews based on sentiment analysis.
* loaded analyzed data into Looker, created calculated measures and columns, and visualized the data to provide valuable insights.

**Experience**

**ElevateMe Bootcamp, Columbus, Ohio January 2024 - Present**

**Data Analytics & Machine Learning Fellow Trainee**

* Engaging in 150+ hours of hands-on learning and project work, including active participation in a live project and two optional capstone projects.
* Apply data analytics and machine learning techniques to address real-world problems.
* Utilize advanced tools such as Python, Jupyter Notebooks, Pandas, Numpy, Matplotlib, Seaborn, and Scikit-learn to build and evaluate machine learning models.
* Deploy machine learning models on Microsoft Azure, integrating Azure ML with Azure SQL databases to enable real-time analytics and predictions.
* Perform data preprocessing, feature engineering, and model selection, and evaluate regression, classification, and clustering algorithms to optimize performance.
* Collaborate in a professional team environment using tools like Jira, Confluence, and Slack for project management and effective communication.

**Community School of Art Foundation, Dallas TX Aug 2024 - Present**

**Application Development Consultant**

**Tools:** RDS, SSMS, API Gateways, Stripe, Lambda, Python, MS Visual, Postman, GitHub, Excel, Figma

* Collaborated with UX designers, web developers, engineers, and business operations to ensure data-driven decisions throughout development lifecycle, leading to a 20% process improvement in project timeline and effective tracking through Jira.
* Assessed user needs through JAD sessions, ensuring that design decisions reflected real-world scenarios and requirements, leading to more user-centric solutions.
* Utilized agile methodologies to iteratively gather and refine business requirements, improving adaptability and responsiveness, which led to more efficient project delivery.
* Evaluated and selected technical solutions for project requirements, ensuring alignment with best practices and industry standards.
* Developed Python scripts for lambda functions to interact with RESTful APIs, enabling seamless data exchange between Stripe event webhooks and API Endpoints thus enhancing the functionality of data-driven solutions.

**Accenture, Mumbai July 2019 – July 2022**

**Application Development Analyst**

**Tools:** Dynamics 365 CRM, Duck Creek, IRIS, Rule Book, Azure DevOps, Share Point, Power BI, SAP CRM , SAP ISU, JIRA, SQL Server, SSMS

**Project:** Axis Capital (Insurance and Claims), EDF Energies (Electricity and Gas)

* Collaborated with stakeholders and senior consultants to formulate project plans, specifications, and technical designs, and provide status updates leading to a 20% process improvement in project timeline and effective tracking through Jira.
* Led 10+ testing activities including quality assurance testing, designing and maintaining test suites, executing test scenarios with automation first approach, thus ensuring data quality and industry standard testing frameworks.
* Identified and reported 100+ defects, bugs, and issues within the application on JIRA, improving user productivity by 12%.
* Developed over 50 actionable reports annually using Power BI, driving key business decisions
* Built and maintained SQL queries to analyze customer data flows, supporting strategic business insights.
* Developed and maintained documentation for SSAS models and processes, ensuring knowledge transfer and compliance.

**Education**

***MS. in Information technology and management***: The University of Texas at Dallas | 4.00 / 4.00 | Aug 2022 - May 2024

***B.Tech in Electronics and Telecommunication:*** K.J. Somaiya College of Engineering | 7.54 / 10.00 | Aug 2015 - May 2019

**Certifications**

**Data Analytics and Machine Learning Certificate of Completion** Month 2024-Present

* ElevateMe Bootcamp
* 150+ hours of hands-on coursework, having completed a Data Analytics project and Machine Learning project using Tableau, Python, Machine Leaning and SQL
* Certificate in Enterprise Systems (SAP)
* AWS Solution Architect Associate
* Microsoft Azure Fundamentals (AZ 900)
* Hacker Rank: SQL Intermediate level
* Google Data Analytics