SHIFA PANJWANI

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GitHub • LinkedIn • Website

Education

College of Idaho: *Caldwell, ID* Anticipated Graduation: May 2026

Bachelor of Science | Mathematics-Computer Science & Finance | Data Science Minor

- Honors GPA: 3.94/4.00
- Vice President, Asian Student Association (August '23 - May '24)

Skills

- **Languages:** Proficient: Python, SQL, R, DAX. Intermediate: JavaScript, HTML/CSS
- **Tools:** Proficient: MS Excel, Specify 6, Power BI, Tableau, RStudio, Git, SSRS, SSMS. Intermediate: Google AI Studio
- **Libraries/Packages:** Proficient: pandas, numpy, matplotlib, seaborn, ggplot2, tidyverse, tidymodels, scikit-learn

Work Experience

BI Developer Intern, Oppenheimer Companies Inc.: *Boise, ID* June 2024 – August 2024

- Led the migration of 3 legacy reporting systems to Power BI, consolidating reports into a single platform and reducing maintenance costs by over 20%
- Designed and developed a complete workspace from scratch, implementing 5+ ETL processes to create 10+ dynamic and interactive dashboards in Power BI, delivering actionable insights to stakeholders

Library Technical Assistant, Cruzen-Murray Library: *Caldwell, ID* September 2024 – Present

- Collaborated with library staff to implement a new inventory system, increasing tracking accuracy by 40% and reducing manual workload
- Provided technical support to library patrons, resolving inquiries on catalog navigation, research tools, and digital resources, enhancing user experience

Database Management Assistant, OJS Museum: *Caldwell, ID* September 2023 – May 2024

- Assisted in a digitization project at the OJS Museum, utilizing SQL to manage databases in Specify 6 for 100,000+ museum collections
- Conducted data cleaning and validation using SQL, resolving 95% of data inconsistencies and ensuring accurate digitization of museum's entomology collection

Academic Research Intern, Aga Khan University Hospital: *Karachi, Pakistan* February 2022 – May 2022

- Utilized dpylr and ggplot2 libraries in R to clean a raw dataset of 14,000+ observations and implemented statistical analysis techniques to analyze disparities within the dataset

Relevant Projects

Performance Prediction in R - Tools Used: *R, RStudio, GitHub*

- Developed a regression-based predictive model using R to estimate student Math scores with an R-squared of 0.85 and RMSE of 5.7, identifying key factors such as parental education level and test preparation course
- Conducted exploratory data analysis (EDA) on a dataset of 1000+ student records, revealing significant correlations between reading, writing scores and math performance, providing actionable insights for educators

Student Performance Prediction - Tools Used: *Python, VS Code, GitHub*

- Developed an end-to-end ML pipeline for student performance prediction, including data ingestion, transformation, EDA, model training, and evaluation, ensuring a seamless and automated workflow
- Optimized model performance through hyperparameter tuning, using cross-validation techniques to improve accuracy

Sales Dashboard - Tools Used: *Power BI, SQL*

- Implemented real-time data integration capabilities using a Power BI dashboard, providing the company with instant access to critical sales insights, enabling swift decision-making time by 30%
- Collaborated cross-functionally with 5+ sales teams, data analysts, and IT professionals to gather requirements, define 10+ KPIs, and ensure seamless integration of data sources, resulting in a user-friendly and intuitive dashboard interface

Certifications

- **Microsoft Power BI Data Analyst,** Udemy - In Progress
- **5-Day Gen AI Intensive Course,** Google & Kaggle - November 2024
- **Power BI: Integrating AI and ML,** LinkedIn - July 2024