
EDUCATION**Pace University**, *Masters of Data Science**Aug 2022 - May 2024***Shah And Anchor Kutchii engineering College**, *Bachelors of Engineering -Computer Science**Aug 2019 -June 2022*

EXPERIENCE

Harlem Children's Zone – Data Aide*October 2024 - Present*

- Managed collection, cleaning, analysis, visualization also centralize large student/admin datasets in Excel & Salesforce (Zora) and maintained backups.
- Built a VBA Virtual Time Recorder and co-led timesheet cleaning/validation and database loads with the Assistant Director, scripted dashboards tracking learning goals & program information, deliver timely stakeholder reports.
- Update attendance in Zora with QA checks on top of it standardize evaluation metrics and documentation and drive continuous process improvements, community contribution as 3rd-grade science mentor, team placed 3rd.

Community Dreams Foundation- Data Analyst*August 2024- April 2025*

- Advanced statistical techniques applied to interpret data and produce business reports, enhancing decision-making efficiency by 25%.
- Engineered and simplified 5+ data systems, achieving a 20% efficiency increase and sustaining 99% data integrity through systematic cleaning and validation.
- Composed and revamped complex SQL queries, reducing data extraction and transformation time by 30%, facilitating faster analysis.

Infogain Corporation- Data Science Intern*June 2023 – August 2023*

- Executed Exploratory Data Analysis (EDA) using Python, creating visualizations and predictive models that enhanced forecasting accuracy by 20% and identified Win/Loss opportunities.
- Analyzed datasets with 100,000+ records, uncovering insights that improved strategic decision-making by 15%.
- Partnered with 5+ stakeholders to convey data insights, reducing strategic planning risks by 10% through actionable recommendations.

Supermak Foils Pvt Ltd- Data Analyst*Jan 2021 - April 2022*

- Evaluated sales data to generate reports, uncovering trends that expanded growth opportunities by 15%.
- Performed market and competitor analysis, informing strategic decisions that boosted market share by 10%.
- Led staff meetings to present sales trends and competitor analysis, improving stakeholder decisions by 20%. Maintained MySQL databases with 99.9% uptime, enhancing query performance by 25%.

Supermak Foils Pvt Ltd - Data Analyst Intern*Jul 2020 - Sep 2021*

- Leveraged Python (Pandas, NumPy) to process and prepare large-scale sales data for forecasting, boosting model accuracy by 20%.
- Accelerated Gradient Boosting Machines (GBM) to predict sales, raising forecasting accuracy by 15%.
- Constructed interactive Tableau dashboards to track key metrics, boosting stakeholder engagement by 25% through real-time visualizations. Enhanced code quality and reducing deployment failures by 30%, while maintaining detailed documentation.

ACADEMICS PROJECT

Quantum GAN for Discrete Distribution on CIFAR-10

Formulated a Quantum-Classical GAN using a 25-50 qubit quantum generator circuit, achieving an Inception Score of 8.5. Surpassed classical GANs in generating diverse and realistic CIFAR-10 images.

Integrated quantum advantages to reduce training time while maintaining high model performance, advancing quantum ML research.

Working Capital Optimization

Designed and initiated SQL databases for sales, inventory, and financial data, building predictive models and interactive dashboards for efficient analysis.

Innovated automation scripts for data extraction and reporting, reducing manual processing time by 30%. **Healthcare Predictive Analysis in oncology: Skin Cancer**

Developed a machine learning model to classify skin lesions, supporting dermatologists in early skin cancer detection through KNNImputer for handling missing values, data visualization, image normalization with CLAHE, data augmentation, and segmentation techniques.

Trained a Convolutional Neural Network (CNN) over 25 epochs, achieving 73% accuracy, and implemented a One Versus All (OVA) approach to improve class-specific performance.

Addressed class imbalance by identifying underrepresented categories and adjusting the model, resulting in a balanced performance and demonstrating potential for clinical application in timely skin cancer detection.

TECHNICAL SKILLS

Programming Languages & Technologies: R, Python, Web Development/Cloud (HTML, CSS), Database (MySQL, PostgreSQL)**Software/Tools:** SQL Workbench, Visual Studio, Git, PyCharm, Jupyter notebook, PySpark, TensorFlow.**Data Visualization:** Tableau, Power BI, Python, Microsoft Excel, Looker Studio**Machine Learning:** Quantum GAN, Big Data analytics, Regression, Clustering, Classification, and Ensemble Methods, Tree Based Models, Multivariate Regression, Statistical model, NLP, Statistics, MATLAB, Deep Learning, Research.

LEADERSHIP & CERTIFICATIONS

Certifications: Python 3.4.3, PHP & MySQL, Java – IIT Bombay, 2019.