

JASH S. SHAH

(201) 647-4232 | [Email Me](#) | [LinkedIn](#) | [GitHub](#) | [View My Website](#)

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems	New York, NY
Master of Science (MS) in Data Science Concentration: Machine Learning, Data Analysis GPA: 3.79	May 2024
Shah & Anchor Kutchhi Engineering College	Mumbai, India
Bachelor Of Engineering (CS) Concentration-Software GPA-3.0	June 2022

TECHNICAL SKILLS

Programming Languages: R, Python

Web Development/Cloud: CSS

Database: MySQL, PostgreSQL

Software/Tools: SQL Workbench, Visual Studio, Git, PyCharm, Jupyter notebook, Excel, Google Sheets, 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 modeling, NLP, Statistics, MATLAB, Deep Learning, Research.

Certifications: Python 3.4.3 Training-IIT Bombay 2019 | PHP and MySQL Training-IIT Bombay 2019 | Java Training- IIT Bombay 2019

RELEVANT EXPERIENCE

Infogain Corporation , Data Science Intern	June 2023 - August 2023
<ul style="list-style-type: none">Conducted comprehensive Exploratory Data Analysis (EDA) on a sales dataset using Python. Created insightful visualizations and developed predictive models to forecast future outcomes, focusing on differentiating between successful and unsuccessful sales opportunities.	
Supermak Foils Pvt Ltd , Sales Data Analyst	January 2021 – April 2022
<ul style="list-style-type: none">Assessed sales data and created comprehensive reports to name trends, patterns, and growth opportunities, presenting findings to stakeholders.Analyzed market data, customer metrics, and competitor activity to drive strategic decision-making and resolve underperformance issues and handled troubleshooting.Led staff meetings to present information on latest sales trends, strategies, and competitor analysis, condensing technical data into easy-to-understand reports.	
Supermak Foils Pvt Ltd , Data Analyst Intern	June 2020 - December 2020
<ul style="list-style-type: none">Utilized Python (Pandas and NumPy) to clean and prepare sales data for analysis and forecasting with the right data models with fine visualization.Implemented statistical methods and Gradient Boosting Machines (GBM) to predict sales, improving forecasting accuracy by 15%.Developed data-driven strategies and interactive dashboards using Tableau, significantly increasing overall sales and gaining stakeholder approval.	

ACADEMICS PROJECT

<u>Quantum GAN for Discrete Distribution on CIFAR-10</u>	January 2024- May 2024
<ul style="list-style-type: none">Create a Quantum-Classical GAN for CIFAR-10 with a quantum generator circuit for an Inception Score of 8.5 and Frechet Distance under 10.Designed a 25-50 qubit quantum generator circuit with convolutional layers for intricate CIFAR-10 patterns.Highlighted superior generative modeling using quantum advantages, surpassing classical GANs in generating diverse and realistic CIFAR-10 images.	
<u>Working Capital Optimization</u>	July 2024-Present
<ul style="list-style-type: none">Created the data, designed and managed the SQL databases for sales, inventory, and financial data. Designed predictive models (DSO, DPO, Inventory Turnover, Cash Flow) with high accuracy.Created interactive dashboards in Looker Studio for key metrics visualization. Optimized SQL queries and views for efficient data analysis.Used Python for data cleaning, transformation, and analysis.	
<u>NYC Yellow Taxi Trip/Ride Duration</u>	September 2023-November 2023
<ul style="list-style-type: none">Enhanced ride time predictions using the NYC/TLC Yellow Cab dataset, applying advanced analytics and machine learning for increased accuracy and operational efficiency.Integrated climatic conditions for a comprehensive analysis, merging datasets for exact trip duration predictions.Applied Neural Network algorithms, such as MLP, Linear Regression, and DNN, consider dataset time sensitivity in the split and testing various optimizers for best performance and resulting in 94% accuracy.	

LEADERSHIP

Entrepreneurship Cell , Co-head (2019 - 2021), Head (2021)	
Pixel Tech Conclave , Co-head (2018 - 2021), Head (2021)	
<ul style="list-style-type: none">Commenced role as Co-head for Photography team in 2019 and later earned promotion to Head until 2021.Served within Entrepreneurship Cell, advancing to the Co-head position for Photography team.Assumed leadership as the Head of Photography team within the Entrepreneurship Cell.	