# Rushi Bhavin Shah

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## EDUCATION

**Texas A&M University**                                                                        College Station, USA
*Master of Science in Management Information Systems*                                                      May 2024
Coursework: Data Analytics, Advanced Database Management, Data Warehousing, MIS Project Management, Systems Analysis & Design

**University of Mumbai**                                                                              Mumbai, IND
*Bachelor of Engineering in Computer Engineering (GPA: 3.74/4.0)*                                          July 2022
Coursework: Data Mining, Big Data & Analytics, Python Programming, Statistics, Machine Learning, Software Engineering, Mathematics

## SKILLS & ACHIEVEMENTS

**Technical Skills:** SQL, Python, R, Tableau, Power BI, MS Excel, AWS, Azure, NoSQL, GitHub, Jira, Salesforce, MS Office
**Databases:** MySQL, MariaDB, MS SQL Server, MongoDB, PostgreSQL, SQLite, Amazon Redshift
**Methodologies:** Data Analysis, Business Intelligence, Consulting, Data Wrangling, Troubleshooting, Modelling, Project Management, Scrum
**Interpersonal Skills:** Written & Verbal Communication, Analytical, Quantitative, Problem-solving, Detail-oriented, Self-motivated, Curious
**Achievements:** Patent - Application No. 202021039996A, Copyright, Research Paper
**Certifications:** PSM-1, Data Analyst in SQL (Pursuing), Python for Everybody, Data Visualization, C, PHP & MySQL, Python, Git

## EXPERIENCE

**Data Analyst Intern, Mansfield Energy,** Houston, USA                                          May 2023 - Aug 2023
- Performed exploratory and forecasting data analysis on pricing, usage, profitability, sales data using MySQL and Excel (including Pivot tables, XLOOKUP, VBA, and Macros), increasing quarterly revenue by 7%
- Utilized clustering algorithms, including K-Means and Hierarchical Clustering, for customer segmentation on Power BI, leading to a 18% reduction in client acquisition costs and a 23% boost in customer retention rate
- Automated data extraction, transformation, and standardization from 12 data sources and 2,000 documents spanning 12 years using Python. This reduced data dimensions by 88%, enhancing resource allocation, and operational efficiency

***Data Engineer - Graduate Assistant,* Texas A&M University,** College Station, USA                Sept 2023 – Present
- Leveraged Azure Data Factory to create ETL pipelines for data migration from 6 distinct sources to MS SQL database architecture providing a dynamic solution for agile response to ad-hoc data requests, business issues and real-time access to critical business insights

***CRM Database Student Technician,* Texas A&M University,** College Station, USA                 Nov 2022 - Aug 2023
- Optimized databases of 100,000+ student records with SQL, achieving 12% faster data retrieval and 1.5x data consistency in Slate (CRM)
- Collaborated in a cross-functional setting, to devise sprint planning, project agendas, documentation, and design workflows, with a primary focus on enhancing department-wide Business Operations (Biz Ops), reducing project TAT (Turnaround Time) by 25%

**Data Science & Business Analytics Intern, The Sparks Foundation,** Mumbai, IND                  Sept 2021 - Oct 2021
- Designed and maintained interactive Tableau dashboards, automated data reporting for real-time cross-sector performance tracking, communicating recommendations, facilitating data-driven decision-making and contributing to a 10% expansion in market share

**Software Developer Intern, Blue Eye Soft Corp,** South Carolina, USA                          June 2020 - April 2021
- Led a 22-member cross-functional team through product roadmap development from strategy to execution, following Agile SDLC
- Developed a 'Covid Risk Management' mobile application on Flutter, accelerating the safe reopening of educational institutions by 100%
- Spearheaded user behavior analysis and streamlined Key Performance Indicators (KPIs) tracking, harnessing ad-hoc queries and Tableau visualizations to deliver actionable insights to stakeholders, resulting in a 34% reduction in churn rate
- Engineered an AI-based timetable scheduler in Python to automate timetable generation, reducing manual workload by 27% per semester

## PROJECTS

**Point-of-Sales (POS) System**                                                                 Aug 2022 - Dec 2022
- Implemented a SQL based POS relational database system in MariaDB for continuous strategic business process improvements. Built a robust ETL pipeline for seamless data migration of 80K+ records and deployed the system on AWS EC2 Instance, catalyzing access to mission-critical data resources. Employed standard and peer-to-peer clustering on 10 servers to enhance data availability and scalability

**Skin Cancer Detection Using Image Processing: Medical Infrared Diagnostic Center**             Jan 2021 - May 2022
- Conducted market research and analysis on industry trends such as CNN, SVM, etc., to drive multivariate healthcare modeling. Successfully leveraged Python libraries - Pandas, NumPy, Seaborn, TensorFlow, and Matplotlib to build a proprietary 'Skin Cancer Detection Model' with 89% accuracy, assisting in early diagnosis and strengthening patient outcomes

## LEADERSHIP

**Coordinator - Shah & Anchor Kutchhi Engineering College Student Council**                     July 2020 - June 2022
- Elected to the student council among 4000 students for two consecutive terms and successfully directed a workforce of 506 volunteers
- Devised an action plan to conduct the annual symposium, boosting sponsorship by $60k+ and engagement by 72% over 2 years