

SHARWARI SHAH

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EDUCATION

Master of Science in Management Information Systems, Texas A&M University- GPA: 4.00/4.00	May 2025
B.Tech in Electrical and Electronics Engineering, Visvesvaraya National Institute of Technology - GPA: 3.97/4.00	May 2021

SKILLS & CERTIFICATIONS

Core Technical Skills: C#, SQL, Python, Azure Integration Services, Data Analysis, Machine Learning Models, .NET
Software/Tools: Microsoft Azure, Azure DevOps, Visio, Biztalk, Atlassian Suite – Confluence, Microsoft SQL, MariaDB, AWS EC2, GIT, Microsoft Excel, Power BI, Postman, Azure Databricks, Azure Synapse, Azure SQL MI, Tableau
Management Skill: Stakeholder Collaboration, Cross-functional Team Leadership, Agile Methodologies, Risk Management
Certifications: [Az-204 Microsoft Azure Developer Associate](#), [Professional Scrum Master](#)

EXPERIENCE

Business Technology Analyst Intern – Deloitte Consulting LLP May 2024 – December 2024

- Architected a **multi-region Azure infrastructure** with 99.99% uptime, implementing load balancing for 1M daily transactions, resulting in less than one hour of downtime annually
- Secured services using **Client Certificate**-based authentication and **Azure Key Vaults** enhancing data protection
- Enhanced cloud security by implementing secure access control through **IAM**, configuring **RBAC** policies, and setting up **Network Security Groups (NSG)** for **VNet** and **Subnet**, along with **private endpoints** for secure communication
- Developed **interactive data dashboards** using **Azure Monitor**, **Log Analytics** reducing project reporting time by 30% and improving executive decision-making by 40%
- Optimized cloud spending by implementing **Azure Reserved Instances** and **Autoscaling**, reducing costs by 25%
- Collaborated with cross-functional teams to interpret and implement business requirements, translating complex business problems into actionable technical documentation, which improved project clarity and execution

C# Developer - Applied Cognitive Ergonomics Lab, TAMU(Part-time) November 2023 – August 2024

- Enhanced military training simulation stability by reducing system downtime by 30% through **refining C# code** and integrating **multi-modal features** like auditory messages and visual eye tracking

Cloud Engineer – Deloitte Consulting India Pvt. Ltd. July 2021 – August 2023

- Led migration of 6 BizTalk applications to Azure by evaluating **BizTalk Migrator** vs. manual re-architecture, ensuring compatibility and scalability, **securing a contract for 100** additional applications
- Automated cloud deployments using **CI/CD pipelines in Azure DevOps**, integrating **Bicep, YAML, Version control**, and **Infrastructure as Code (IaC)** to reduce deployment time by **90%**, ensuring infrastructure consistency and security best practices
- Built scalable, cloud-native procurement applications on Azure using **C# .NET**, implementing **Azure Functions** for serverless computing and **API Management** for secure, high-performance integrations between COUPA and SAP S/4 HANA
- Reduced manual effort in data processing tasks by 60% using **Azure Logic Apps** and exposed APIs via API Management and **Application Gateway**
- Reconfigured and upgraded **150 applications** from **BizTalk 2016 to 2020**, improving system reliability and reducing downtime
- Optimized **MS SQL** database architecture by refactoring **stored procedures** and restructuring **tables** reducing query latency by 30%

PROJECTS

Roni's Challenge: Dashboard Building for Business Insights | [GitHub](#) December 2024

- Developed a **Power BI dashboard** for Roni's Mac Bar to analyze sales, customer preferences, and peak order times. Cleaned data with **Python (Pandas)**, **Excel** and created visualizations to highlight menu performance

Humana-Mays 2024 Healthcare Analytics Case Competition | [GitHub](#) September 2024 – November 2024

- Predicted PCP engagement for 1.5M patients using **XGBoost/Random Forest** (AUC: 76%/72%), enhancing accuracy by selecting key features with **MI score** and **Chi-square test**, and removing outliers via **Isolation Forest**

Point of Sale System August 2023 – December 2023

- Automated eCommerce sales data updates with **MariaDB** stored procedures and **triggers**, cutting data update time by 98%
- Implemented **peer-to-peer** clustering in **AWS EC2**, increasing data handling efficiency by 40% under high write volumes

LEADERSHIP & INVOLVEMENT

Events Head at BITS (Business Information Technology Students) at Mays Business School 2023 - Present

- Organized events connecting MIS students with industry professionals, enhancing career opportunities and industry engagement

Student Mentor at Visvesvaraya National Institute of Technology 2019-2021

- Mentored 15 undergraduates, dedicating 10 hours weekly to guide them through academic and personal challenges