

Harsh Tarang Shah

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EDUCATION

Texas A&M University	College Station, Texas
Master of Science in Engineering Management – Business Analytics Specialization	May 2026
<i>Relevant Coursework: Management of Engineering Systems, Data Analysis, Marketing, System Analysis & Design</i>	(GPA: 3.7/4)
Pandit Deendayal Energy University, School of Technology	Gandhinagar, India
Bachelor of Technology in Electronics & Communication Engineering	May 2024
<i>Relevant Coursework: Object Oriented Programming, Data Mining, Machine Learning, Python Programming</i>	(GPA: 4/4)

SKILLS & CERTIFICATIONS

Tools: Tableau, Power BI, Excel, Jira, Notion, Slack, Google Collab, Jupyter Notebook, Google Analytics, AWS, MySQL, Streamlit

Technical Skills: JavaScript, SQL, Python, Data Analysis & Visualization, HTML, CSS, Machine Learning, A/B Testing, EDA

Certifications: 'Professional Scrum Master (PSM 1)' - Scrum.org, 'Engineering Project Management' - Texas A&M University

'Understanding Incubation and Entrepreneurship' - Indian Institute of Technology (IIT) Bombay (Top 1% scorer)

Leadership & Involvement: Student Assistant (Texas A&M University), Business Analytics & Consulting Association (TAMU)

EXPERIENCE

Staytuned LLP Ahmedabad, India
Product Management Intern January 2024 - June 2024

- Led cross-functional team of 6 to automate GitHub workflows using JavaScript & GitHub Actions, creating PRDs & deploying automation for issue triage & PR labeling, reducing manual steps from 10 to 2, saving 15+ developer hours weekly
- Engineered intelligent issue management system using GitHub API to auto-categorize 180+ monthly issues by priority and bug type based on keyword analysis, cutting mean-time-to-resolution for P0/P1 issues from 48 to 29 hours (40% reduction)
- Drove data-informed roadmap decisions by mining GitHub metrics (PR cycle time, sprint velocity) in Python and SQL, building Tableau dashboard tracking 8 KPIs that identified 3 bottlenecks and increased sprint completion by 26%

TYSU Infotech Pvt. Ltd. Ahmedabad, India
Software Engineer Intern May 2023 - July 2023

- Spearheaded UI overhaul based on qualitative customer feedback analysis, redesigning 8 core user-facing screens driving 40% boost in engagement and reduced user drop-off by 25% across key conversion touchpoints
- Queried company database using SQL to identify homepage accessibility gaps, implementing data-driven design changes validated through A/B testing and user surveys, improving user accessibility by 55%

Innodel Technologies Pvt. Ltd. Ahmedabad, India
Data Analyst Intern May 2022 - July 2022

- Designed Tableau dashboard visualizing cardiovascular illness trends across key metrics (prevalence rate, age distribution, regional spread) enabling healthcare providers to identify high-risk patient segments and inform treatment strategies
- Analyzed 500K+ row Netflix public dataset leveraging Tableau to uncover user engagement patterns across content genres, delivering 4 actionable recommendations on content personalization thus informing retention strategy discussions

ACADEMIC PROJECTS

ShopSense: Market Intelligence Analysis [[Dashboard Link](#)] April 2026

- Engineered an end-to-end retail analytics pipeline using Python and MySQL on 1M+ transaction records, applying RFM segmentation and Market Basket Analysis to uncover customer cohorts & product associations for retention & cross-sell
- Built an interactive Streamlit dashboard with GenAI-powered insights (Gemini 2.5 Flash), visualizing KPIs across customer segments, geographies, and product categories, translating complex model outputs into actionable recommendations

Predictive Modeling for Concrete Strength [[Dashboard Link](#)] February 2026

- Built an end-to-end predictive analytics dashboard in Python and Streamlit integrating Ridge Regression, Decision Tree, and classification models (LDA, QDA, KNN) to forecast concrete compressive strength across 8 KPIs trends via Plotly
- Developed a real-time mix design prediction tool with GenAI-powered recommendations (Gemini 2.5 Flash), translating complex model outputs into actionable, stakeholder-ready insights for data-driven decision making

Explorations In Yoga Pose Detection using Computer Vision models May 2024

- Led development of a real-time Yoga Pose Detection system using Machine Learning models (MediaPipe & Movenet), integrating multi-joint key point tracking to achieve real-time pose detection accuracy ranging from 95.4% to 98.7%
- Optimized model performance through data augmentation and iterative fine-tuning across varied lighting and angle scenarios on a dataset of 6,000 images, reducing false detection rate by 22% and delivering a highly accurate, user-centric solution