

Chintan Nilesh Shah

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EDUCATION

Mays Business School, Texas A&M University

Master of Science in Management Information Systems

Aug 2025-May 2027

College Station, TX

Related: Advance Database Management, Advance System design and Analysis, Project Management

D. J. Sanghvi College of Engineering, University of Mumbai

B. Tech in Computer Engineering with Honors in Intelligent Computing – GPA: 3.57/4

Aug 2021-May 2025

Mumbai, India

Related: Applied Statistical Analysis, Database Systems & Management, Big Data & Advanced Analytics, Data Warehousing & Mining, Advanced Data Structures & Algorithms, Artificial Intelligence & Applications, Soft Computing Techniques

WORK EXPERIENCE

Web Developer

DEAN OF VETERINARY MEDICINE

Nov 2025 - Present

Texas A&M University

- Currently migrating 20+ departmental webpages from legacy layouts to the modern **Aggie UI/UX framework**, enhancing accessibility, consistency, and responsive design across the site.
- Improving site performance and maintainability by restructuring **HTML/CSS/JS** components, optimizing WordPress workflows, and standardizing content formats to reduce future update time by an estimated **25–30%**.

Data Analyst Intern

ASAP ADVISORS

Jan 2025-May 2025

Mumbai, India

- Built **Power BI** dashboards backed by structured data models to support real-time business decision-making and automated billing and reporting workflows using **Power Apps** and **SQL**, reducing **manual effort by 40%**. Worked directly with business users to translate requirements into scalable reporting solutions

Data Analyst Intern

CODTECH IT SOLUTIONS

July 2024-Sept 2024

Mumbai, India

- Developed end-to-end **Python-based ML pipelines** for data cleaning, feature engineering, model training, and evaluation. Built predictive models (stock forecasting, customer behavior analysis) achieving up to **92%** accuracy and optimized data workflows, reducing manual analysis time by **35%**

Frontend Developer

MINDTECH SOLUTIONS

Jun 2023-Aug 2023

Mumbai, India

- Built and maintained responsive web interfaces using **JavaScript, HTML/CSS**, and modern frontend practices. Improved page load performance by **25%** through frontend optimization and code refactoring while partnered with internal teams to deliver features on schedule, improving customer engagement by **10%**

LEADERSHIP

VCP Marketing

DJSCE - Association for Computing Machinery

July 2023 - Sep 2024

Mumbai, India

- led an 80+ member team to organize large hackathons and workshops, managing a \$7,200 budget and securing over \$4,800 in sponsorships. I also worked with business leaders to identify key challenges and convert them into problem statements for a high-impact hackathon, enabling participants to design targeted solutions.

PROJECTS

Real-Time Soil Nutrients Prediction and Crop Recommendation System (Under Review for publication)

- I developed a real-time ML model that uses sensor data to predict soil nutrient values, which instantly provided crop recommendations. This cut the turnaround time for rural farmers by 80% and eliminated the need for multi-day lab tests.

Enhancing Emotional Support Chatbot

- Created and significantly enhanced an emotional support chatbot, implementing Google Flan-T5 XL for advanced sentiment analysis and cognitive reframing, which boosted response accuracy by 35%, increased user engagement by 40%, and ensured robust data security

Simplified Homomorphic Encryption for Addition – [Paper Link](#)

- Proposed a secure method for private addition operations on encrypted data, achieving computation on encrypted inputs with zero data exposure and improving privacy for 90% of processed records

Multilingual Medical Terminology Extraction and Translation - [Paper Link](#)

- Published in the Scopus-indexed journal *Educational Administration: Theory and Practice*,
Built multilingual NLP pipelines to automate medical entity recognition and translation in clinical reports

Drowsy Driving Using OpenCV And Cloud Integration using Twilio Api - [Paper Link](#)

- Published in the Scopus-indexed journal *Educational Administration: Theory and Practice*,
Created a machine learning-based driver drowsiness detection system with real-time safety alerting features

SKILLS

- **Certifications:** AWS Academy Generative AI Foundations
- **Tools and Technologies:** Tableau, Power BI, CUDA, Hadoop, MySQL, MariaDB, Git, VS Code, Canva, MS Office, N8N
- **Programming Languages:** Python, SQL, ReactJS, Java, C, HTML/CSS, JavaScript,
- **Business:** Marketing, Event Management