

Chintan Nilesh Shah

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EDUCATION

Mays Business School, Texas A&M University

Aug 2025-May 2027

Master of Science in Management Information Systems

College Station, TX

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

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

Aug 2021-May 2025

B. Tech in Computer Engineering with Honors in Intelligent Computing

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, Texas A&M University, College Station, TX

Nov 2025-Present

- Leading an ongoing migration of **125+ webpages** to Texas A&M's modern Aggie UI/UX framework, refactoring front-end components and streamlining WordPress content workflows to improve accessibility, responsiveness, and maintainability, reducing future update time by **25-30%**.

Data Analyst Intern, ASAP ADVISORS, Mumbai, India

Jan 2025-May 2025

- 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

ML Intern, CODTECH IT SOLUTIONS, Mumbai, India

July 2024-Sept 2024

- 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, Mumbai, India

Jun 2023-Aug 2023

- 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, DJSC - Association for Computing Machinery

July 2023 - Sep 2024

- 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

CMIS Engagement Platform- [Link](#)

- Created and deployed a **full-stack** engagement platform for Texas A&M's CMIS program, integrating **Groq AI** for intelligent student-mentor matching and **N8N** for workflow automation, which streamlined coordination, improved operational efficiency, and earned **2nd Place Overall** in the 2025 CMIS Case Competition.

LLM Evaluation & Monitoring Pipeline- [Link](#)

- Built a production-ready **LLM evaluation and monitoring pipeline** for RAG applications using **Python**, **MLflow**, **GitHub Actions**, **Streamlit**, and **Slack**, automating quality checks on a golden dataset with metrics like **faithfulness**, **answer relevancy**, and **context precision**, while enabling drift detection, experiment tracking, and CI/CD quality gates for reliable GenAI deployment.

AI Investment Advisor- [Link](#)

- Engineered an **AI-powered financial insight assistant** using **Python**, **LangChain**, **ChromaDB**, **Hugging Face embeddings**, and **Mistral-7B-Instruct**, implementing a full **RAG pipeline** with real-time financial/news data, semantic retrieval, sentiment analysis, risk scoring, and grounded recommendation generation for explainable investment analysis.

PUBLICATIONS

- Real-Time Soil Nutrients Prediction and Crop Recommendation System-** [Paper Link](#)
- Simplified Homomorphic Encryption for Addition** – [Paper Link](#)
- Multilingual Medical Terminology Extraction and Translation** - [Paper Link](#)
- Drowsy Driving Using OpenCV And Cloud Integration using Twilio Api** - [Paper Link](#)

SKILLS

- Programming Languages:** Python, SQL, ReactJS, Java, C, HTML/CSS, JavaScript
- AI & ML:** Agent AI, LLMs, RAG, Computer Vision, LangGraph, LangChain
- Libraries:** Pandas, Numpy, Scikit-learn, TensorFlow, OpenCV, Matplotlib, Pytorch
- Data:** Tableau, Power BI, CUDA, Hadoop, MySQL, MariaDB, AWS, Power Apps, Power Platform
- Certifications:** AWS Academy Generative AI Foundations, N8N