

SIDDHANT NASARE

Buffalo, New York | <https://www.linkedin.com/in/siddhant-nasare/> | 623-297-9075 | siddhant.nasare2608@gmail.com

EDUCATION

Arizona State University

Tempe, Arizona

MS in Business Analytics (GPA: 3.9)

Graduation date: May, 2025

Relevant Coursework: AI & Data Analytics, Risk Management Analytics, Machine Learning in Business Analysis, Enterprise Data Analytics, Descriptive and Predictive Analytics.

WORK EXPERIENCE

DigiTech Services | Research Analyst Intern

Jun 2025 - Present | Boston, MA

- Developed a GenAI-powered RAG platform for 2,000+ documents using LangChain, ChromaDB, and embeddings, reducing manual research time by 85% and improving retrieval precision by 30%.
- Built low-latency (1s) FastAPI endpoints for LLM queries, **containerized with Docker Compose, reducing environment setup by 90%.**
- Conducted AI technology evaluations (LLMs, XR SDKs, Cloud APIs) and integrated selected tools into production-ready prototypes.

Teradyne | Business Analyst Intern (Capstone)

Jan 2025 - May 2025 | North Reading, MA

- Designed ML-based demand forecasting models (time series, regression) for ASIC inventory, achieving 18% stock-out reduction; deployed pipelines with AWS S3 + Redshift for scalable analytics.
- Built dynamic safety stock optimization using Python + Alteryx, improving reliability by incorporating lead-time variability and statistical demand models.
- Delivered dashboards in Tableau/Excel to visualize **forecast accuracy, stock-out risk, and trends for leadership.**

Accenture | Data Engineer

Aug 2021 - Jul 2024 | Pune, India

- Led data analysis and deployment optimization for Bank of Ireland, improving data accuracy by 35%, **reducing ETL processing time by 25%**, and ensuring compliance across insurance and savings systems.
- Engineered ETL pipelines and data validation workflows for Bank of Ireland, improving data accuracy by 35% and reducing processing time by 25%. Built 100+ source-to-target mappings to support large-scale system migration and reporting automation.
- Optimized SQL queries (40% performance gain) and automated data quality checks, resolving 80%+ of discrepancies.
- Implemented CI/CD pipelines with Jenkins for automated data model testing, reducing manual deployment effort by 80%. Mentored junior engineers on SQL optimization and data automation best practices.

PROJECTS SECTION

Campus Document Verification System ([Live Link](#))

- Developed a computer vision pipeline using EasyOCR and DeepFace for ID text extraction and face verification, reducing verification time by 95% (hours → seconds).

Career Conversation Chatbot ([Live Link](#))

- Built an interactive chatbot with Gradio on Hugging Face and Cursor IDE to showcase professional background and projects. Eliminated recruiter friction by enabling real-time conversations in place of traditional resumes.

Deep Research Application ([Live Link](#))

- Designed a customizable research assistant capable of synthesizing insights on any topic from structured prompts. Built with LLMs and retrieval pipelines to provide accurate, context-aware outputs.

SKILLS

- AI & Machine Learning: LLMs (GPT, LLaMA, RAG), Hugging Face Transformers, LangChain, ChromaDB, Deep Learning (CNNs, RNNs, Transformers), Computer Vision (OCR, Face Recognition), Model Fine-tuning, MLOps (CI/CD for ML models).
- Programming & Data Engineering: Python, SQL, PL/SQL, Spark, ETL, Data Modeling, Data Warehousing (Star Schema, Snowflake), Redshift, Databricks.
- Frameworks & Tools: PyTorch, TensorFlow, FastAPI, Docker, Kubernetes, Jenkins, GitHub, Azure Data Factory, Power BI, Tableau, Teradata. Cloud Platforms: Azure (Data Factory, ML, Databricks), AWS (S3, Redshift, SageMaker), Oracle Cloud.