

NIKHITA SHANKAR

Business Data Scientist & Engineer | 3+ yrs in analytics, ML, and data engineering

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EDUCATION

University of Illinois Urbana-Champaign

MS in Business Analytics, Data Science and Engineering

Champaign, IL

Aug 2024 – May 2025 | GPA: 4.00 / 4.00

R.V. College of Engineering

BE in Computer Science and Engineering

Bangalore, India

Aug 2016 – Sep 2020 | GPA: 3.15 / 4.00

TECHNICAL SKILLS

- **Languages & Tools:** Python, SQL, R, Git, KNIME, MongoDB, Selenium
- **Data Platforms & Cloud:** Snowflake, Databricks, SAP, Salesforce, AWS, Azure
- **Analytics & ML:** Tableau, Power BI, IBM Cognos, Predictive Modeling, Time Series Forecasting, A/B Testing

EXPERIENCE IN DATA SCIENCE, ANALYTICS & ENGINEERING

Wolters Kluwer

Data Science & AI Consultant (Graduate Capstone)

Project with Wolters Kluwer R&D to build AI-driven clinical tools

Champaign, IL, USA

Jan 2025 – Present

- Designed an AI-based diagnostic support tool using large language models (LLMs) and Retrieval-Augmented Generation (RAG) to improve provider decision-making.
- Engineered prompt evaluation pipelines and implemented test harnesses using LangChain to evaluate response reliability across embedding and retriever strategies.
- Collaborated with product leads to incorporate clinical feedback loops, refining LLM outputs using prompt tuning and synthetic data augmentation.

Community Hospital – Grand Junction, CO

Data Engineering & Analytics Lead (Graduate Capstone)

Project supporting HR and operations analytics for hospital leadership

Champaign, IL, USA

Aug 2024 – Dec 2024

- Led a 6-member team to build a workforce analytics dashboard in IBM Cognos, integrating UKG data to track productivity and turnover.
- Automated ETL workflows using Python and SQL, saving over 10 hours per week and enabling decisions that reduced overtime by 15%.

ExxonMobil

Business Data Scientist & Engineer

Bangalore, India

Jan 2020 – Apr 2023

- Translated commercial goals into scalable data solutions using Snowflake, SAP, Python, and Power BI in support of strategic business initiatives.
- Built real-time SQL pipelines and ETL frameworks to automate SAP COPA reporting, reducing errors to under 0.01% and saving \$1M per month.
- Migrated legacy dashboards to Tableau Cloud and redefined revenue KPIs, unlocking \$22M in annualized impact.
- Automated competitor pricing insights via Power Apps and Power BI, generating \$2.18M in monthly profit.
- Created regression and time-series models for pricing analytics, contributing to over \$2M in revenue lift.
- Optimized Salesforce reports used by 150+ global users, enhancing contract tracking and saving \$8.5M in long-term costs.
- Developed a Python-based recommendation system, improving conversion by 20% and client retention by 15%.

Softtek

Engineering Intern

Bangalore, India

Jun 2019 – Jul 2019

- Built Selenium-based automation for ServiceNow workflows, reducing manual work by 30%, improving ticket turnaround and reporting compliance.

PUBLICATIONS & ACHIEVEMENTS

- **Publication:** [Recommendation Systems Using Filtering Concepts](#), IRJET, Vol 7, Issue 5.
- **Bright Beginner Award** – Recognized by ExxonMobil for rapid delivery of analytics tools in early tenure.
- **Top Performer Award** – Honored for leading high-impact analytics and data engineering initiatives.