

# NIKHITA SHANKAR

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## EDUCATION

### University of Illinois Urbana-Champaign

M.S. in Business Analytics | Concentration: Data Science and Engineering

Beta Gamma Sigma Honor Society Member | GPA: 3.96 / 4.00

Champaign, IL

Aug 2024 – May 2025

### RV College of Engineering

B.E. in Computer Science and Engineering

Bangalore, India

Aug 2016 – Sep 2020

## TECHNICAL SKILLS & TOOLS

- **Languages & ML:** Python, R, SQL | Regression, Classification, Recommender Systems, Forecasting, A/B Testing, Feature Engineering, Deployment
- **Analytics & BI:** Tableau, Power BI, Excel, IBM Cognos, Wolfram Mathematica
- **Cloud & Big Data:** AWS, Azure, Snowflake, Databricks | Git, Jupyter, Docker, KNIME, Alteryx

## PROFESSIONAL EXPERIENCE

### ExxonMobil

Data Scientist & Engineer

Bangalore, India

Jan 2020 – Apr 2023

- Built a real time Snowflake SQL solution to automate financial reporting from SAP systems, reducing errors to < 0.01% and cutting delays from hours to seconds. Saved \$1M per month.
- Migrated revenue dashboards to Tableau Cloud, enabling real-time insights that generated \$22M in business impact.
- Developed Power Apps + Power BI solution for competitor tracking, driving \$2.18M/month in profit growth.
- Collaborated on ML-based pricing analytics for the Catalysts unit, boosting revenue by \$2M through dynamic strategy shifts.
- Streamlined 9 global Salesforce reports for 150+ users, saving \$8.5M in contract-related inefficiencies.
- Built a Python recommender engine during internship, improving engagement and sales, leading to full-time conversion.

### Softtek

Engineering Intern

Bangalore, India

Jun 2019 – Jul 2019

- Automated ServiceNow workflows with Python and Selenium, reducing ticket processing time by 30%.

## INDUSTRY CAPSTONE PROJECTS

### Wolters Kluwer

Data Science & AI Consultant

Remote, US

Jan 2025 – May 2025

- Designed an LLM-driven diagnostic support tool using Retrieval-Augmented Generation (RAG) and prompt engineering, improving clinical efficiency and interpretability.
- Built scalable Python pipelines to test and integrate models into real-world healthcare workflows.

### Community Hospital – Grand Junction, CO

Data Engineering & Analytics Lead

Champaign, IL

Aug 2024 – Dec 2024

- Led a team of 6 graduate students to develop IBM Cognos dashboards using UKG data, aligning reporting with strategic KPIs.
- Automated HR reporting using SQL and Python pipelines, reducing manual effort by 10+ hours/week and cutting overtime costs by 15%.

## CERTIFICATIONS AND RECOGNITION

- **AWS Certified Cloud Practitioner** – Amazon Web Services, May 2025
- **Bright Beginner Award** – ExxonMobil, for scalable ML tool delivery
- **Top Performer Award** – ExxonMobil, for impactful predictive analytics
- **Research Paper** - Published in IRJET: [Recommendation Systems Using Filtering Concepts](#)