

NIKHITA SHANKAR

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PROFESSIONAL EXPERIENCE

Data Engineer & Analyst

Sep 2025 – Present

Obvience | Remote, US

- Built Microsoft Fabric and SQL Server data pipelines supporting sales and operations analytics; improved data refresh reliability by 40%.
- Partnered with analytics teams to design Power BI dashboards and automate reporting workflows, reducing manual effort by 10+ hours weekly.

Data Engineer – Analytics & Automation

May 2023 – May 2024

Hyperplane (Fintech Startup, acquired by Nubank) | Remote, US

- Designed Snowflake and AWS pipelines processing 200K+ monthly transactions, reducing data latency by 35%.
- Automated data model testing and CI/CD deployment with dbt and GitHub Actions, improving model accuracy by 25%.
- Supported predictive modeling initiatives and Python-based financial analytics to forecast customer churn and ROI.

Data Analyst and Engineer

Aug 2020 – Apr 2023

ExxonMobil | Bangalore, India

- Built Snowflake SQL pipelines for SAP data, cutting latency from hours to seconds and saving \$1M per month.
- Migrated 20+ Tableau dashboards to the cloud with automation, enabling \$22M finance-critical decisions.
- Developed a Python-based product recommendation model, increasing engagement by 20% and sales by 12%.
- Engineered Power Apps + Salesforce pricing tool, improving margins by \$3M per month through real-time competitor tracking.

Engineering Intern

Jun 2019 – Jul 2019

Softtek | Bangalore, India

- Automated ServiceNow onboarding workflows using Python and Selenium, cutting manual effort 30%.

INDUSTRY CAPSTONE PROJECTS

Data Scientist (Healthcare AI)

Jan 2025 – May 2025

Wolters Kluwer | Champaign, IL

- Built and deployed an LLM-based validation model on AWS SageMaker to detect anomalies in clinical data, improving diagnostic accuracy by 18%.
- Applied NLP techniques and prompt optimization to extract key medical indicators from unstructured text, reducing manual review time by 25%.

Analytics Lead (Workforce Forecasting)

Aug 2024 – Dec 2024

Community Hospital – Grand Junction, Colorado | Champaign, IL

- Led a team of six graduate students to develop SQL- and Python-based forecasting models predicting overtime costs and staffing demand, improving workforce efficiency by 15%.
- Designed IBM Cognos dashboards to visualize forecasting insights for HR leaders, enabling data-driven staffing and scheduling decisions.

TECHNICAL SKILLS

- **Languages & Frameworks:** Python, SQL, R, scikit-learn, dbt
- **Data & Cloud Platforms:** Snowflake, Microsoft Fabric, Azure Data Factory, AWS (S3, Glue)
- **Visualization & Analytics:** Power BI, Tableau, IBM Cognos, Excel, Predictive Modeling

EDUCATION

University of Illinois Urbana-Champaign (UIUC)

Graduated May 2025

M.S. in Business Analytics | Data Science & Engineering Concentration | Beta Gamma Sigma

R.V. College of Engineering

Aug 2016 – Sep 2020

B.E. in Computer Science and Engineering

CERTIFICATIONS AND RECOGNITION

- **AWS Certified Cloud Practitioner** – [Verified Credential](#)
- **Awards:** Top Performer and Bright Beginner – ExxonMobil Analytics Center of Excellence
- **Publication:** [Recommendation Systems Using Filtering Concepts \(IRJET\)](#)