NIKHITA SHANKAR

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SUMMARY

Results-driven analytics professional with a Master's in Business Analytics and 3+ years of experience building data and AI-powered solutions. I translate complex problems into clear insights, automate workflows, and craft predictive tools that drive smarter decisions. Known for turning AI capabilities into real business impact through cross-functional collaboration.

WORK EXPERIENCE

Data Science & AI Consultant (Capstone)

Wolters Kluwer | Remote, USA   *Jan 2025 – May 2025*

- Designed a diagnostic support tool using Retrieval-Augmented Generation (RAG) and prompt engineering to reduce mis-diagnosis risk in sepsis prediction.
- Built Python pipelines for scalable model evaluation and integrated them into clinical workflows.
- Collaborated with clinical experts and PMs to align model performance with diagnostic KPIs.
- Visualized anomaly patterns in Tableau, accelerating refinement cycles by 30%.

Data Engineering & Analytics Lead (Capstone)

Community Hospital – Grand Junction, CO | Remote   *Aug 2024 – Dec 2024*

- Led a team of 6 to develop IBM Cognos dashboards with UKG data to visualize attrition, productivity, and compensation.
- Automated HR reporting with SQL + Python pipelines, saving 10+ hours/week and cutting overtime costs by 15%.
- Identified a 23% higher attrition rate in critical departments and enabled targeted action within 6 weeks.

Data Scientist & Engineer

ExxonMobil | Bangalore, India   *Jan 2020 – Apr 2023*

- Built Snowflake SQL pipelines to automate SAP-based financial reporting, cutting latency from hours to seconds and saving $1M/month.
- Migrated revenue dashboards to Tableau Cloud, enabling real-time insights and driving $22M in revenue impact.
- Developed Power Apps + Power BI tool for competitor tracking, increasing profit by $2.18M/month.
- Delivered ML-driven pricing strategies for the Catalysts unit, generating $2M in added revenue.
- Consolidated 9 Salesforce reports for 150+ global users, saving $8.5M in contract inefficiencies.
- Created a Python recommender system during internship that improved engagement and secured full-time offer.

Engineering Intern

Softtek | Bangalore, India   *Jun 2019 – Jul 2019*

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

EDUCATION

University of Illinois Urbana-Champaign   Champaign, IL

M.S. in Business Analytics | Data Science & Engineering Concentration   *Aug 2024 – May 2025*

Beta Gamma Sigma Honor Society (Top 20% of graduate business students globally) | GPA: 3.96 / 4.00

R.V. College of Engineering   Bangalore, India

B.E. in Computer Science and Engineering   *Aug 2016 – Sep 2020*

TECHNICAL SKILLS

- **Languages & Tools:** Python, SQL, R, Tableau, Power BI, Excel, IBM Cognos
- **Data Engineering & ML:** Snowflake, dbt, Airflow, Pandas, Feature Engineering, Regression, Classification, A/B Testing
- **Cloud & Collaboration:** AWS, Azure, Databricks, Git, Jira, Power Apps, ServiceNow

CERTIFICATIONS & RECOGNITION

- **AWS Certified Cloud Practitioner** — Verified Credential
- **Bright Beginner Award** — ExxonMobil (for scalable ML tool delivery)
- **Top Performer Award** — ExxonMobil (for predictive analytics impact)
- **Research Paper:** *Recommendation Systems Using Filtering Concepts*, IRJET