

# NIKHIL KUMAR REDDY APUR

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## PROFESSIONAL SUMMARY

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Data Analyst with experience in quality assurance, data validation, and business intelligence, seeking to leverage analytical and organizational skills in a healthcare-focused role. Adept at managing multiple priorities, communicating insights to diverse stakeholders, and utilizing Microsoft Office and other analytical tools to drive decision-making.

## SKILLS & COMPETENCIES

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- **Programming:** Python, SQL, HTML, CSS, JavaScript, MySQL, Azure SQL Database.
- **Cloud & ETL:** Microsoft Azure (DP-900 certified), Azure Synapse, Data Factory, ETL testing, workflow optimization.
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn.
- **Tools & Methodologies:** Git, VS Code, PyCharm, Agile/Scrum, Data Governance (privacy, compliance).

## PROFESSIONAL EXPERIENCE

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### Data Analyst

Feb 2022- Dec 2022

Axtria Ingenious Insights

Hyderabad, India

- Tested and validated ETL pipelines, reducing error rates by 20% and ensuring consistent data quality across all workflows.
- Conducted data processing and transformation to support BI dashboards and analytics.
- Collaborated with cross-functional teams to identify and resolve data issues, optimizing data workflows.
- Analyzed datasets of up to 10 million records to extract actionable insights, contributing to a 10% increase in operational efficiency.
- Validated large datasets, identifying and resolving discrepancies to enhance reporting reliability.
- Created reports and presentations using Microsoft Excel and PowerPoint to summarize data insights.

## ACADEMIC PROJECTS

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### Customer Churn Prediction Using Machine Learning

- Developed a predictive model to identify customers likely to churn using Logistic Regression, Random Forest, and XGBoost.
- Performed EDA (Exploratory Data Analysis) to identify key factors affecting customer retention.
- Engineered features and handled imbalanced data using SMOTE and class weighting.
- Achieved 85% accuracy in predicting churn, providing actionable insights for retention strategies.

### Healthcare Data Analysis: Predicting Diabetes Risk

- Used Pandas, NumPy, and Scikit-Learn to clean and analyze patient data from a healthcare dataset.
- Applied decision trees, SVM, and deep learning models to predict diabetes risk based on patient demographics and health indicators.
- Identified the most significant risk factors using SHAP values and feature importance analysis.
- Created an interactive Power BI dashboard to display patient risk categories.

## EDUCATION

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Masters in Computer Science, Kent State University, USA

Jan 2023 - Dec 2024

Bachelor of Engineering, Vasavi College of Engineering, Hyderabad

2017 - 2021

## CERTIFICATIONS & ACHIEVEMENTS

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- [Microsoft Certified: Azure Data Fundamentals](#)
- Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage - January 2025
- Member of Kent Indian Association at Kent State University, Jan 2024 - Dec 2024
- Introduction to Tableau by Simplilearn
- NPTEL: Data Structures in Python, Introduction to Machine Learning