

VENKATA UDAY KUMAR EDARA

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SUMMARY

Detail-oriented and analytical Data Analyst with a solid foundation in data science, analytics, and cloud technologies gained through hands-on internships and academic projects. Proficient in Excel, SQL, Python, Power BI, and Tableau for data wrangling, dashboard creation, and actionable business intelligence reporting. Experienced in data cleaning, mining, and feature engineering to extract meaningful insights from large datasets. Skilled in building automated reporting workflows and data pipelines using tools like Azure Data Factory, Azure SQL Database, AWS Glue, and S3. Familiar with big data tools such as Hadoop and Kafka. Committed to transforming raw data into strategic insights that drive business performance and data-informed decision-making.

EDUCATION

University of New Haven, Tagliatela College of Engineering,

Aug 2024 - May 2026

Master of Science, Data Science

• GPA: 4.0/4.0

• **Coursework:** Introduction to Python programming, Mathematics for Data Scientists, Introduction to Data Science, Distribution and Scalable Data Engineering, Machine Learning and Introduction to Artificial Intelligence

PROFESSIONAL EXPERIENCE

PANTECH SOLUTIONS

Mar 2024 - Jun 2024

AI and Data Science Internship

Remote, India

- Cleaned and analyzed large datasets using Excel, improving data quality by over 30% for downstream analysis.
- Built interactive dashboards in Power BI and Tableau to visualize sales and growth trends across 5+ business areas.
- Wrote and optimized complicated SQL that pulled 100,000 rows of data then created analysis on it for more business insight.
- Designed predictive ML models with up to 85% accuracy and automated training pipelines in Python, reducing development time by 25%.
- Applied deep learning techniques for basic AI tasks like image and text classification, enhancing model versatility.

ACADEMIC PROJECTS

Data Cleaning & Exploratory Data Analysis in SQL

Jan 2025 - Feb 2025

- Cleaned and standardized a layoff dataset using SQL techniques, addressing null values and optimizing the dataset.
- Developed a staging table to guarantee data integrity and support effective transformations.
- Utilized window functions to identify and eliminate duplicates, ensuring the accuracy of the dataset.
- Performed exploratory data analysis (EDA) to reveal trends, patterns, and significant insights.

Real Time Stock Market Prediction Analysis

Mar 2025 - May 2025

- Built an end-to-end ML pipeline to predict stock market trends using historical data from the yfinance API, with feature engineering using Python and Pandas.
- Trained and deployed a Random Forest Regressor model on an AWS EC2 instance with user interfaces via a Flask REST API and a Streamlit dashboard.
- Addressed key business needs such as risk mitigation and algorithmic trading, with focus on cloud deployment aspects like resource management, security, and cost control.

Real Estate Price Analysis using Tableau

May 2025

- Developed an interactive real estate dashboard in Tableau to analyze housing trends across ZIP codes and bedroom count.
- Visualized average property prices, geographic price distribution, and revenue trends over time for actionable insights.
- Strengthening data storytelling and business intelligence skills through meaningful visual analytics.

SKILLS & CERTIFICATIONS

- **Data Visualization** : Alteryx, Microsoft Excel, PowerPoint, Power BI, Tableau, Google Sheets, Matplotlib and Seaborn.
- **Data Analysis** : Python, MySQL, Exploratory Data Analysis (EDA), A/B Testing and Business Intelligence reporting.
- **Business Analysis** : Business Modeling, Documentation, Stakeholder Communication, Marketing and KPI Development.
- **Programming** : Python for data manipulation and analysis, SQL for database querying and management and R(basic).
- **AI & ML Training** : AI model evaluation, Supervised & Unsupervised Learning, performance benchmarking and Chat GPT.
- **Cloud & Azure** : Azure (Datafactory, SQL Database, Databricks, ETL Pipelines, Data Ingestion), and Apache Spark.
- **Core skills** : Data modeling, Data analysis, Data visualization, Business reporting, Pipeline creation, Data cleaning, Data processing, Data transformation, Performance tracking, Data entry, Mathematics and Statistics.
- **Soft Skills** : Communication, Data storytelling, Time Management, Critical thinking, Problem Solving and Adaptability.
- **Language Proficiency:** English – Full Professional Proficiency.
- **Certifications** : Data Analytics Bootcamp, AWS ECS, SQL Programming, Python for Data Science, Data Science Foundations: Data Engineering, AWS: Data Services.