

# GNANESWARI VADDEPALLI

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## Professional Summary

Results-driven Data Analyst with nearly 3 years of experience in data analysis, data pipeline development, and backend automation. Proficient in SQL and Python for extracting, transforming, and analyzing data to uncover business insights. Skilled in building dashboards, cleansing datasets, and identifying patterns using statistical techniques. Experienced with Power BI, advanced Excel, and scripting for process automation. Adept at collaborating with cross-functional teams to deliver timely and accurate reports for data-driven decision-making.

## Technical Skills

**Data Analysis & Reporting:** SQL, Python, R, Advanced Excel

**Data Visualization:** Power BI, Tableau

**ETL & Scripting:** Python, SQL, Unix/Linux Shell Scripting

**Statistical Analysis:** Regression, Time-Series (ARIMA), Classification Models

**Tools & Platforms:** Jupyter Notebook, PowerPoint, AWS (S3, Redshift), APIs

**Soft Skills:** Accuracy, Collaboration, Communication, Stakeholder Reporting

## Professional Experience

### Data Analyst | Infosys Ltd.

Dec 2021 – Jul 2023 | Bengaluru, India

- Extracted, transformed, and cleaned customer and compliance data using SQL, improving data accuracy and reducing manual effort.
- Automated data validation, error detection, and reporting workflows using Unix/Linux shell scripting and Python.
- Conducted log analysis to identify trends and resolve recurring data flow issues, ensuring consistent data pipeline performance.
- Designed queries and supported dashboard-ready datasets for stakeholders to track performance and compliance KPIs.
- Maintained secure access to sensitive data through role-based controls and aligned reporting with business priorities.

### Data Analyst Intern | Flipkart

June 2020 – Nov 2021 | Remote, India

- Built scalable data pipelines to process large volumes of e-commerce and user interaction data.
- Performed data cleaning, transformation, and integration from multiple sources including APIs and databases.
- Created custom Python scripts to automate data extraction, aggregation, and reporting tasks.
- Worked closely with analysts to generate dashboards and KPIs in Power BI for marketing and inventory teams.
- Conducted trend analysis and provided actionable insights to improve customer engagement and order efficiency.

## Education

University of New Haven, CT

M.S. in Data Science | GPA: 3.64/4.00 | August 2023 – May 2025

Relevant Coursework: Advanced Python Programming, Network and Internet Systems, Leadership & Project Management, Software Engineering, Systems Security

## **Projects**

### **Spam Detection using Machine Learning**

- Prepared structured datasets by cleaning and transforming SMS data for classification analysis.
- Trained and evaluated models (Naïve Bayes, SVM, Logistic Regression) using statistical metrics like accuracy and F1-score.
- Demonstrated strong data preparation, feature engineering, and model evaluation skills for business risk mitigation.

### **EDU Predict – Enrollment Forecasting Tool**

- Cleaned and merged historical academic data for time-series forecasting using ARIMA.
- Generated trend insights by integrating forecasts into Power BI dashboards for institutional planning.
- Automated data pipelines and handled missing values to ensure timely, reliable analytics output.