

# RASIPOGULA PAVAN KUMAR

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## PROFILE SUMMARY

Detail-oriented and analytical Data Analyst with strong skills in SQL, Python, Excel, and Power BI. Experienced in extracting, cleaning, and interpreting data to provide actionable insights. Passionate about leveraging data visualization and predictive modelling to drive business decisions. Seeking a Data Analyst role to apply technical expertise and problem-solving skills to deliver impactful solutions.

## EDUCATION

### M.Tech in Computer Science and Engineering (CSE)

Vemu Institute of Technology (Autonomous), Chittoor || Pursuing || 73%

### B.Tech in Computer Science and Engineering (CSE)

Vemu Institute of Technology (Autonomous), Chittoor || Graduated: 2023 || 75%

## TECHNICAL SKILLS

- **Programming & Analytics:** Python (Pandas, NumPy, Matplotlib), SQL, Excel
- **Data Analysis:** Data Cleaning, Data Validation, Exploratory Data Analysis (EDA), Statistical Analysis
- **Data Visualization:** Power BI (DAX, Data Modelling, Dashboards), Tableau
- **Microsoft Excel:** Pivot Tables, Pivot Charts, VLOOKUP/XLOOKUP, Power Query, Forecasting
- **ETL & Data Processing:** Data Extraction, Transformation, SQL-to-Excel & Python Pipelines
- **Tools & Platforms:** Git, GitHub, VS Code, PyCharm, MS Office
- **Web Technologies:** HTML, CSS (Basic)
- **Other Skills:** KPI Tracking, Reporting & Automation, Business Insights, Version Control

## INTERNSHIP

### KODNEST – Python Full Stack Intern

- Collaborated with cross-functional teams to develop data-centric applications, integrating Python and SQL for data processing and reporting.
- Utilized Excel (Pivot Tables, VLOOKUP, Charts) for reporting and performance tracking, improving insights for decision-making.
- Applied SQL queries for data extraction, validation, and analysis, ensuring accuracy and reliability of datasets.

## PROJECTS

### Retail Sales Analysis & Dashboard

-Technologies Used: SQL, Python (Pandas, Matplotlib), Excel

- Collected and cleaned large sales datasets using SQL queries to extract customer and transaction records.
- Applied Python (Pandas & Matplotlib) for trend analysis: seasonal demand, revenue growth, top-selling items.
- Designed an interactive Excel dashboard with Pivot Tables and Charts to track KPIs (sales, revenue, profit margins). Helped identify products contributing 20% more profit margin during festive seasons.

### Plant Leaf Disease Prediction

-Technologies Used: Python, Flask, OpenCV, Machine Learning, HTML, CSS

- Built a web-based application to detect plant leaf diseases using image classification techniques.
- Utilized computer vision and a trained ML model to classify disease from uploaded leaf images. Achieved 90% accuracy in classifying plant leaf diseases. Deployed using Flask for backend processing and responsive UI for ease of use.

### Financial Data Cleaning & Forecasting

-Technologies Used: SQL, Python (Pandas, Matplotlib), Excel (Power Query, Forecasting)

- Imported raw financial transaction data from SQL into Excel and applied Power Query for cleaning.
- Used Python to analyze monthly revenue, expenses, and profit margins.
- Reduced reporting time by 30% by automating data cleaning with SQL scripts and Excel macros.

## CERTIFICATIONS

- Python Full Stack Internship – Kodnest
- Python Programming – Code Tantra
- Git & GitHub – Udemy