

PAVAN KALYAN

Data Analyst | MCA Student

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PROFESSIONAL SUMMARY

Motivated MCA student and aspiring data analyst with hands-on experience building machine learning models, interactive dashboards, and data pipelines. Proficient in Python, SQL, Excel, and Power BI, with a strong foundation in statistics and a track record of turning raw datasets into actionable business insights.

PROFESSIONAL EXPERIENCE

Data Science Intern

Jan 2024 – Apr 2024

Interncall, Kurnool, Andhra Pradesh

- Applied Python for data science tasks including data cleaning, exploratory data analysis (EDA), and building machine learning models to solve real-world problems.
- Worked extensively with data visualization libraries like Matplotlib and Seaborn to present insights effectively to stakeholders.
- Gained hands-on experience across the end-to-end data science project lifecycle.

EDUCATION

Master of Computer Applications (MCA)

2025 – 2027

Jawaharlal Nehru Technological University (JNTUA), Anantapur

Focus: Data Analytics, Database Management, Business Intelligence

Bachelor of Science — Mathematics, Statistics & Computer Science

2021 – 2024

St. Joseph's Degree College, Rayalaseema University, Kurnool

TECHNICAL SKILLS

Programming & Analysis

Python (Pandas, NumPy), SQL, Excel, Java, Statistical Analysis

Visualization & BI

Power BI (DAX), Matplotlib, Seaborn, Plotly, Interactive Dashboards

Machine Learning

Scikit-learn, TensorFlow, CNN, Classification, Regression, EDA

Web Technologies

HTML, CSS, JavaScript, Streamlit

Tools & Platforms

Maven, JDBC, iText PDF, ZXing, OpenCV, Git, GitHub

KEY PROJECTS

Student Performance Analysis & Result Management System (SPARMS)

Java | MySQL | JDBC

- Built a role-based Java Swing desktop app for academic result management with Admin, Faculty, and Student dashboards.
- Implemented automated grade computation, OMR scanning, and PDF export using iText and ZXing.

InventoryIQ — E-commerce Inventory & Analytics System

[Python](#) | [Streamlit](#) | [Plotly](#)

- Developed a Streamlit dashboard with secure login, product management, audit logs, and CSV export.
- Integrated interactive Plotly charts for real-time inventory analytics.

Handwritten Digit Recognition

[Python](#) | [TensorFlow](#) | [OpenCV](#)

- Built a CNN model on the MNIST dataset with high accuracy for real-time digit prediction.
- Created an interactive canvas interface for user input via Streamlit.

Netflix Content Analysis Dashboard

[Power BI](#) | [DAX](#) | [Power Query](#)

- Analyzed 5,000+ Netflix titles uncovering trends in content type, genre, duration, and country.
- Used advanced DAX functions and Power Query for data modeling and transformation.

Employee Attrition & Engagement Analysis

[Python](#) | [Scikit-learn](#) | [Power BI](#)

- Identified key factors driving employee resignations through statistical analysis.
- Built classification models to predict attrition and developed an HR decision-making dashboard.

SKILLS & ATTRIBUTES

Soft Skills

Problem Solving, Communication, Teamwork, Adaptability, Attention to Detail, Time Management

Languages

English (Fluent), Telugu (Native)

Interests

Photography, Drawing, Editing, Continuous Learning