Pooja N Swamy

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PROFILE

DOB: 07 October 2002.

Nationality: Indian.

Languages Known: English and Kannada.

Address: #5800 ,Vijayanagar 2nd Stage, Near Vijayanagar Police Station Mysuru.

OBJECTIVES

To work in a dynamic and academic-oriented teaching environment where I can enhance my teaching skills, share knowledge effectively with students, and contribute to their academic and personal development while supporting the institution's overall growth.

SKILLS

- SQL , Python Basics, Power BI, HTML and CSS.

EDUCATION

Jss Science and Technology University Mysuru|Mysuru, IN
February 2024 – December 2025
*Master of Computer Application – **8.23 CGPA***

Mmk And Sdm College Mysuru|Mysuru, IN
July 2020 – August 2023
*Bachelor of Science -**7.28 CGPA***

Learners Pu College Mysuru|Mysuru, IN
Year Of Passing -2020
Board- D.P.U.E
*PCMB -**64.33%***

Podar International School Mysuru|Mysuru, IN
Year Of Passing -2018
Board-CBSE
*Marks obtained -**64.2%***

HOBBIES

- ✓ Movies
- ✓ Mandal Art.
- ✓ Exploring to new things.

COURSE CERTIFICATION

- **SQL ,** Besant Technologies.
- **Python,** Besant Technologies.
- **Power BI**, Besant Technologies.

Links- SQL Certificate.pdf , PYTHONCertificate.pdf, **PowerBI.certificate.pdf**

EXPERIENCE/ Internship

Internship: Infotach Solutions, Bangalore.

Role: Data Analyst Associate L1.

Offer letter →Infotach Solutions -offer letter.pdf

PERSONAL PROJECTS

MY TRAVEL WEBSITE:
Built using HTML, CSS AND JAVASCRIPT. Designed as a personal travel website built with HTML, CSS, and JavaScript to share my favorite travel experiences. It features photos, destination highlights, and social media connections, also gives an interactive elements for the viewer to feel the nature vibes.

AMAZON PRODUCT RECOMMENDATION SYSTEM:
Developed an Amazon Product Recommendation System using user rating data from the Electronics category. Implemented collaborative filtering (user-based and item-based) and matrix factorization (SVD) to generate personalized suggestions. Achieved improved accuracy over baseline models (e.g., MAE, RMSE), addressing challenges like data sparsity and scalability.

SALES ANALYSIS AND DASHBOARD FOR ADIDAS DATASET: Developed an Adidas Sales Forecasting and Analysis Dashboard using Power BI to visualize and predict business performance. Conducted data cleaning and preprocessing of sales data, followed by trend analysis, KPI computation, and regional performance evaluation. Implemented forecasting models to predict future sales (2026) and identify top-performing products and categories. The dashboard provided actionable insights on revenue growth, profit margins, and regional contributions, helping improve data-driven business decisions and strategic planning.

SUPER MARKET SALES ANALYSIS:
Developed an interactive Power BI dashboard to analyze supermarket sales performance across multiple cities and product categories. Integrated and visualized sales, profit, and product data to track key performance indicators such as total sales, category contribution, city-wise performance, and perishable item trends. Implemented slicers and time-based analysis to identify top-selling products and seasonal patterns. Additionally, performed sales forecasting using historical data to predict future sales trends and assist in strategic business planning.

COMPARISON OF BUSINESS INTELLIGENCE TOOLS AND ML MODELS FOR BUSINESS FORECASTING:
Developed a comparative forecasting system using the Favorita retail sales dataset to evaluate Power BI, SAP Analytics Cloud (SAC), and multiple machine learning models. Processed multi-store, multi-family sales data into a monthly time-series format to enable consistent analysis across all tools. Designed forecasting workflows in Power BI using the ETS model and in SAC using Smart Predict's automated ARIMA/Exponential Smoothing for trend and seasonality interpretation. Built ML models including Linear Regression, KNN, Random Forest, and LSTM to generate accurate predictions and benchmark them against BI-tool forecasts. Computed MAE, RMSE, MAPE, and overall accuracy to identify the most effective forecasting method. Integrated insights from BI tools and ML outputs to support demand forecasting, strategic planning, and enterprise digital transformation.