DR. PADMASINI VENUGOPAL
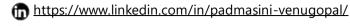
ASPIRING DATA ANALYST

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Data Analysis • Data Quality Assessment • Visualization of Data Insights • Data-Driven Decision Making • Pattern & Trend Identification • Clinical Data Management

Aspiring Data Analyst with a background in healthcare and in-depth knowledge about database types, research methodologies, data architecture, curation, manipulation, and visualization; skilled in furnishing insights, analytics, and business intelligence to advance opportunity identification and business growth

PROFILE SYNOPSIS

- Adept in interpreting and analyzing data to provide successful business solutions and accurate reports to the top management as well as assisting in identifying future trends
- Proficient in creating and maintaining rich interactive visualizations through data interpretation and analysis, while integrating various reporting components from multiple data sources
- Effective in identifying efficiencies and problem areas within data streams, while communicating needs for projects, backed by skills in receiving and monitoring data from multiple data streams, including SQL and Excel data sources
- Profound skills in Data Validation, Predictive Modelling, and Data Visualization, thus leveraging knowledge in Python, Excel, Power BI and Tableau, while producing business intelligence data to produce reports and polished presentations, prepare dashboards, highlight findings, and recommend changes
- Efficient in managing Clinical Data and its evaluation, with knowledge in Microsoft tools like Advanced Excel and PowerPoint, along with a few Dental Software, to ensure clinical data collection, analysis, and management

WORK EXPERIENCE

SENIOR RESIDENT DENTIST ▶ Ananthi's Dental Clinic & Implant Centre, Chennai
Jan 2020 – Apr 2022

- Acquired knowledge of the usage of various pharmaceutical drugs
- Worked with tools like Microsoft Office and medical software for data maintenance.
- Performed clinical data management under ethical healthcare guidelines

RESIDENT DENTIST & ASSOCIATE MANAGER ▶ Q-Tacticz, Chennai
Dec 2018 – Dec 2019

- Cultivated and maintained excellent connections with corporate clients, while planning and executing corporate office camps
- Increased skills in resolving insurance-related situations and improved efficacy in managing complexity
- Monitored the clinical financial operations

RESIDENT DENTIST ▶ Ananthi's Dental Clinic & Implant Centre, Chennai
Apr 2018 – Nov 2018

- Obtained expertise in communicating effectively with patients and delivering healthcare services
- Improved adaptability to new procedures and staying abreast with the latest technologies
- Garnered skills in clinical data collection, analysis, and management using Microsoft Excel

JUNIOR RESIDENT INTERN ▶ Tagore Dental College, Chennai   Apr 2017 – Mar 2018

- Improved technical skills and accountability in assisting with project and research documentation
- Nurtured the ability to manage time efficiently and team-working abilities to deliver proper healthcare services

EDUCATION

- **Data Analytics Program** from Career Foundry, Germany (Sept 2022 – Jul 2023)
- **Bachelors in Dental Surgery** from Dr. M.G.R. Medical University, Chennai, India (Sept 2012 – Mar 2018)

KEY SKILLS

- Data Warehousing
- Business Intelligence
- Data Structures
- Regression Analysis
- Data Technologies
- Descriptive Analysis
- Research Data Management
- Statistical Analysis
- Dashboard Creation
- Clinical Data Analysis

TECHNICAL SKILLS

- **Visualization Tools:** Tableau, Power BI
- **Programming Language:** Python
- **Database:** SQL
- **Versioning Tool:** Git
- **Data Analytics:** Pandas, Numpy, Matplotlib, Seaborn, Statistical Analysis, Hypothesis testing, Probability
- **MS Office Package:** Word, Excel, and PowerPoint

PERSONAL DOSSIER

- **Languages Known:**
  English (Business Proficiency)
  German (Basic Proficiency)

PROJECTS

Dairy Data Analysis, India
- **Objective:** Analyse dairy industry data to identify trends and predict future milk production volumes
- **Roles & Responsibilities:** Drove the data cleaning process and performed exploratory data analysis
- **Tools & Technologies Used:** Python, SQL, and Tableau for visualization
- **Methodology/Approach:** Deployed regression analysis, cluster analysis, and time series analysis to interpret the data
- **Outcomes & Achievements:** Generated a predictive model with 95% accuracy in forecasting milk production volumes
- **Impact:** Helped a dairy cooperative optimize its supply chain and expand its sales to other states in India

Instacart, an Online Grocery
- **Objective:** Analyse online grocery store data to derive insights and plan strategies for enhancing sales
- **Roles & Responsibilities:** Steered the data cleaning process and conducted exploratory data analysis
- **Tools & Technologies Used:** Python-Jupyter Notebook, Python for visualization, and Excel for presentation
- **Methodology/Approach:** Applied data cleaning, verified it for consistency, and integrated and grouped the data
- **Outcomes & Achievements:** Performed a detailed analysis based on customer's behaviour and preferences
- **Impact:** Helped Instacart to focus more on increased marketing for lower-selling products

Rockbuster Video Rental Sales Analysis
- **Objective:** Derive data-driven answers for the management board that they can use for their 2020 company strategy
- **Roles & Responsibilities:** Conducted data cleaning process and detailed exploratory data analysis
- **Tools & Technologies Used:** PostgreSQL, Microsoft Excel, and Tableau for visualization
- **Methodology/Approach:** Created an ERD, performed data cleaning, summarized data, and categorized them using Sub-Queries and Common Table Expression
- **Outcomes & Achievements:** Attained results by filtering the top 10 revenue-generating countries and total revenue by continents
- **Impact:** Supported Rockbuster Stealth to improve its strategy and sales

Influenza Mortality Analysis
- **Objective:** Help a medical staffing agency that provides temporary workers to clinics and hospitals as and when required
- **Roles & Responsibilities:** Led the data cleaning process and performed detailed data analysis
- **Tools & Technologies Used:** Microsoft Excel and Tableau for visualization
- **Methodology/Approach:** Applied data cleaning, statistical analysis, hypothesis testing, and forecasting
- **Outcomes & Achievements:** Generated a thorough analysis and forecast on the effects of influenza for the upcoming year based on states of the US
- **Impact:** Helped to deploy extra staff to the highest mortality states to prevent more flu deaths

GameCo's Sales Analysis
- **Objective:** Develop new games with the data and to better understand the market
- **Roles & Responsibilities:** Performed data cleaning and detailed data analysis
- **Tools & Technologies Used:** Microsoft Excel and Microsoft PowerPoint
- **Methodology/Approach:** Conducted data cleaning, grouping, and data integration using VLOOKUP, obtained new variables, and visualized using Microsoft Excel
- **Outcomes & Achievements:** Developed a predictive analysis on why North American sales have been lower in recent years
- **Impact:** Assisted GameCo's marketing team to focus more on developing new games as per trends and boosting sales of underperforming genres