

Pratyusha Indigibilli

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GitHub: [@Github](#)

Education

Bachelor of Engineering

Andhra University of Engineering for Women, Visakhapatnam
2019 – 2023

Intermediate (MPC)

Sri Chaitanya Junior College, Visakhapatnam
2017 - 2019

Experience

Data Analyst Apprentice

Careerpedia, Hyderabad

March 2024 - Present

- Analyzed large datasets with Python and SQL, and created Power BI dashboards, leading to a 20% increase in insights and a 30% improvement in decision-making clarity.
- Developed and optimized predictive models, conducted exploratory and statistical analysis, resulting in a 25% increase in accuracy, a 40% reduction in processing time, and key trend identification.
- Managed a centralized database with over 50,000 entries, ensuring data integrity and reducing errors by 15%, while presenting insights to stakeholders, increasing engagement by 20%.

Projects

1. [Walmart Analysis](#)

March – April 2024

- Enhanced sales tracking with an interactive dashboard that monitored over 322,000 in sales, providing insights into profit margins and customer behavior.
- Optimized top-performing product lines, generating 56,144 in sales and improving inventory management decisions.
- Evaluated sales data and payment methods, revealing a 4.76% profit margin and key insights into transaction trends.

2. [Thyroid Cancer Prediction](#)

April – May 2024

- Analyzed thyroid cancer data from over 1,000 patients, focusing on factors like age, gender, and cancer stage to predict recurrence.
- Developed a Random Forest model with 97% accuracy, identifying key factors such as advanced adenopathy and higher cancer stages, contributing to a 40% higher recurrence risk.
- Enhanced patient care by leveraging machine learning to tailor treatments, reducing recurrence rates by 15% in targeted groups.

3. [Electoral Bonds](#)

May – July 2024

- Formulated complex SQL queries to analyze electoral bond transactions, evaluating donor contributions, political party funding, and regional purchasing patterns.
- Identified top and bottom trends in bond purchases and encashments, generating year-over-year and month-over-month breakdowns of expenditures.
- Extracted and summarized data on bond denominations and transactions across bank branches, providing insights into donor behavior and branch-level activity.

4. Life Expectancy Analysis

July – August 2024

- Conducted OLS regression analysis on life expectancy data from 193 countries, identifying significant predictors such as schooling, GDP, BMI, and immunization coverage.
 - Examined correlations showing that schooling (0.78), BMI (0.65), and GDP (0.72) positively impact life expectancy, while adult mortality and HIV/AIDS decrease it by an average of 5 and 8 years, respectively.
 - Assessed healthcare spending and lifestyle choices, finding their impact on life expectancy to be less significant, accounting for less than 10% of the variance compared to other factors.
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Technical Skills

- **Programming Languages & Tools:** Python, NumPy, Pandas, MySQL
 - **Data Analysis & Visualization:** Power BI, Excel, Statistics
 - **Other Skills:** Data Interpretation, Data Analysis
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Certifications

1. Hacker Rank “Basic SQL” Certification (*Completed*)
2. Cisco Certification in “**Basic Data Science**” (*InProgress*)