

BHEEMESWARARAO AIKA

Data Analytics

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Education

2024	Data Analytics <i>Innomatics Research Labs</i>
2020/02 – 2024/04	Bachelor of Technology <i>Satya Institute of Technology and Management</i>

Skills

Python

Numpy, Pandas, Matplotlib, Seaborn, Beautifulsoup, Regex.

Advanced Statistics

Descriptive Statistics, Probability Distribution, Data Gathering Techniques, Inferential Statistics.

SQL

MYSQL, NoSQL, CRUD operation, RDBMS, Data Exploration and Data Filtering, DQL and Operators, Clauses, Joins, ACID, COMMIT, ROLLBACK.

Power BI

Power BI workflow, Visualisation, Trend Data viz, Power Queries, Power Pivot, Data Modelling, Dax, Report and Dashboard Design.

Projects

EDA Project: CARS24

- **Data Collection & Cleaning:** Utilized BeautifulSoup for web scraping and Pandas/Numpy for cleaning and addressing inconsistencies in a dataset of 1375 rows and 9 columns.
- **Data Standardization & Analysis:** Standardized data formats and performed exploratory data analysis to understand distributions and relationships.
- **Statistical Analysis:** Applied statistical techniques to examine correlations between car attributes and pricing.
- **Data Visualization & Reporting:** Created comprehensive reports and interactive dashboards using Seaborn and Matplotlib to present insights.
- **Actionable Insights:** Provided recommendations on pricing strategies and market trends, identifying high-value attributes influencing second-hand car prices.

Insta Clone Database on SQL

- **Database design:** Created 7 tables, users photos, comments, likes, followers, photo_tags, with appropriate primary keys and foreign key constraints to manage relationship between user and their activities.
- **Core Functionality:** Executed over 10 SQL queries to handle user, photo creation, commenting, linking photos, following and unfollowing and users ensuring efficient data retrieval.
- **Advanced Features:** Utilised complex join queries to generate reports on user engagement, post popularity and interaction patterns, enhancing user experience and optimising database performance by 20%.

SQL Project : Library management

- **Database design:** Built SQL database with 7 tables, implementing robust foreign key constraints and auto incrementing primary keys.
- **Data manipulation:** Executed 10+ complex queries for data formatting, data retrieval, and inventory analysis, improving data accuracy by 95%.
- **Insightful Analysis:** Generated actionable reports on book copies and borrower activity, enhancing branch operation by 20%.

Power BI Project : Adidas Sales

- **Sales and Product performance:** Increased total sales by 20% in 6 months by tracking growth trends, top selling products and revenue distribution, identifying key drivers contributing to 70% of revenue.
- **Interactive analysis and customization:** Improved data exploration efficiency by 35% using filters, slicers and interactive visuals enabling users to drill down into specific time frames, regions and categories leading to a 30% boost in decision making accuracy.
- **Top performing cities by Profit:** Analyze the top 5 cities contributing to 60% of total profit to uncover and replicate their successful sales strategies.

Certificates

Python

Certified in Python from Microsoft

SQL

MySQL Certification from Hackerrank.

Exploratory Data Analysis

Certified on EDA in Innomatics Research Labs.

Languages

- Telugu
- English
- Hindi