Digital Portfolio

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DEPARTMENT: BSC COMPUTER SCIENCE WITH DATA SCIENCE

COLLEGE: Dharmamurthi Rao Bhadhur Calavala Cunnan Chetty's Hindu College/ UNIVERSITY OF MADRAS

PROJECT TITLE

DATA SCIENCE

AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link

PROBLEM STATEMENT

Raw data alone has no value. The problem is to analyze and interpret data using Data Science techniques to find useful patterns, predictions, and insights.

PROJECT OVERVIEW

This project showcases a portfolio of Data Science work, including predictive modeling, time-series forecasting, data visualization, and real-world dataset analysis.

WHO ARE THE END USERS?

Students & Researchers – learning and experimenting with datasets

Companies & Organizations – to make data-driven decisions

Government & Agencies – for analysis and policy-making

General Public – to understand insights through dashboards/ reports

TOOLS AND TECHNIQUES

Programming: Python

Libraries: Pandas, NumPy, Scikit-learn, Matplotlib

Visualization: Power BI, Plotly, Tableau

Techniques: Data Cleaning, Data Visualization, Machine Learning, Time-Series Forecasting

POTFOLIO DESIGN AND LAYOUT

Clean and simple homepage with my name and tagline

Navigation bar (Home, About, Projects, Contact)

About section – photo + short bio

Projects section – project cards with details

Contact form & footer – presenter details + message option

FEATURES AND FUNCTIONALITY

Responsive design (works on mobile & desktop)

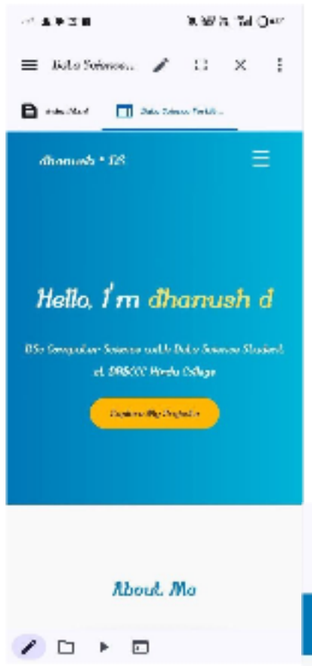
Interactive navigation bar with smooth scrolling

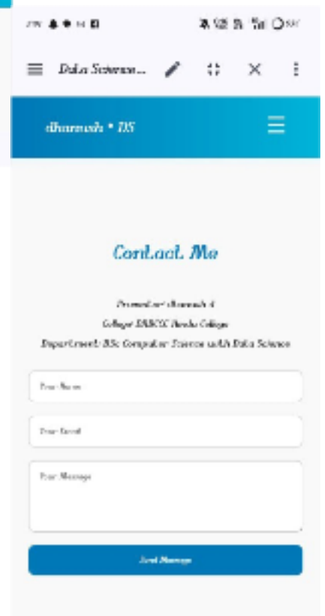
Project cards showcasing Data Science works

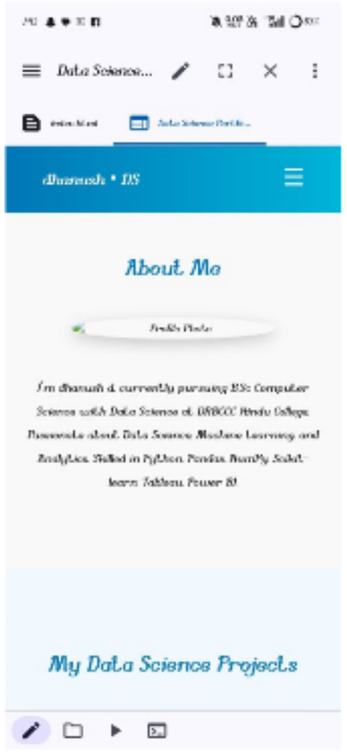
Hover effects for better user experience

Contact form to connect with presenter

RESULTS AND SCREENSHOTS







CONCLUSION

The portfolio highlights my skills and Data Science projects in a structured way. It helps showcase predictive modeling, forecasting, and visualization work. Acts as a digital resume for academics, placements, and future opportunities.

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