

Dhimant A

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A dedicated Computer Science graduate student at the University of Texas Permian Basin, specializing in Python, Java, and database management. Skilled in data analysis, web development, and building neural networks, with a robust foundation in Object-Oriented Programming, Agile methodologies, and data visualization.

WORK EXPERIENCE

University of Texas Permian Basin

Odessa, TX

Institutional Research/Institutional Effectiveness Intern

October 2024 - Current

- Created SharePoint hub sites for university departments, ensuring organization of resources such as booking, data requests, data dictionaries, view of embedded survey from excel, and Institutional Effectiveness.
- Developed PowerApps solutions to streamline departmental workflows and enhance productivity such as Survey Data Dictionary App, Master List App.
- Utilized SQL to populate dynamic reports, automating annual data updates for efficiency and accuracy.
- Collaborated with team members to create comprehensive, self-updating reports for institutional submissions.
- Contributed to process improvements by integrating data visualization and report automation techniques.

University of Texas Permian Basin

Odessa, TX

Orientation Leader

May 2024 - August 2024

- Coordinated and led university tours for freshman students, ensuring a welcoming and informative experience.
- Provided comprehensive overview of campus facilities, academic programs, and student services.
- Assisted new students in navigating their transition to university life, offering guidance and support.
- Facilitated orientation events, workshops, and activities designed to acclimate students to the university environment.

SKILLS

Programming Languages: Java, Python, JavaScript, C, SQL

Data Analysis and Visualization: Pandas, Matplotlib, Seaborn, Plotly, Tableau

Version Control: Git

Database Management: MongoDB, MySQL, SQLite, Firebase Firestore

Web Frontend: React, Node.js, Express.js, HTML, CSS

OOP, Agile and Scrum Software Development

EDUCATION

University of Texas Permian Basin

Odessa, TX

Master of Science, Computer Science

Expected in May 2025

Bachelor of Science, Computer Science

Cumulative GPA: 3.81

PROJECTS

Comprehensive Data Analytics Project | [“TitanicDataAnalytics”](#)

- This project undertakes a thorough analysis of the Titanic disaster, utilizing SQL and Python to explore the relationship between passenger demographics and survival outcomes. Data was processed, cleaned, and visualized using Pandas, Matplotlib, Seaborn, and Tableau to generate data-driven insights.

SAD Analytics Web Application | [“DataAnalysisAndVisualization”](#)

- A comprehensive web application built using Node.js and Streamlit that allows users to upload data files, perform in-depth analysis, and generate visualizations. Features include AI-driven previews, secure user authentication, and responsive design for seamless data interaction.

World Cup 2014 Data Analysis | [“WorldCup2014Analysis”](#)

- Java-based application that connects to a MongoDB database to perform complex queries on World Cup 2014 data. The project includes data extraction, aggregation, and analysis of countries, matches, and players, with outputs saved to text files for easy review.

Maze Solver in Python | [“MazeSolverBFS”](#)

- Python application that solves and visualizes a maze using the Breadth-First Search (BFS) algorithm. Utilizes the `curses` library for a dynamic, text-based interface that displays the real-time pathfinding process and ensures the shortest path is found.

Server-Client Application Analysis | [“ServerClientAnalysis”](#)

- Developed and analyzed a server-client application with functionalities for syscall tracing, secure authentication, and shared library management. The project includes multiple analysis modes and scripts for server management, ensuring efficient and secure operations.

Facebook Phishing Simulation Project | [“PhishingSimulation”](#)

- A cybersecurity project that simulates a phishing attack by mimicking Facebook's login interface. Captures user credentials in a Firebase Firestore database, demonstrating the risks of phishing scams and the importance of cybersecurity awareness.
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