

Shambhu Niwas Jagtap

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Final year student at VIT Chennai majoring in Computer Science. Passionate about web development and Data Analytics. Highly motivated and results-oriented with a strong work ethic.

EDUCATION

VIT Chennai , <i>BTech in CSE</i> Chennai, India	CGPA: 9.07	2021-Present
Vijaya Ratna Junior College , Hyderabad Nallakunta, Hyderabad	Percentage: 83.70	March 2020
Adarsh Balak Mandir Highschool , Islampur Sangli, Maharashtra	Percentage: 91.60	March 2018

SKILLS

Language	Java, SQL , Python (Pandas, NumPy, SciPy, Matplotlib)
Web Development	React.JS , Node.JS, Express.JS, MongoDB, HTML ,CSS ,GitHub
Software	Excel (VLookup, Conditional Formatting, Pivot Tables), Ptolemy, Tableau, Microsoft Power BI

PROJECTS

Tic Tac Toe Web Application (React)

- Developed a responsive and interactive web-based game using React, demonstrating expertise in component-based architecture and state management.
- Designed intuitive UI/UX features and implemented dynamic game logic, ensuring an engaging and seamless user experience.

Exploratory Data Analysis on Bike Sales Market (Excel)

- Conducted comprehensive analysis of a bike sales dataset using Microsoft Excel, leveraging advanced data cleaning techniques and Excel formulas.
- Performed data wrangling and analysis to identify key trends and insights, optimizing data representation and usability.
- Designed and implemented an interactive dashboard featuring Pivot Tables with multiple filters and aggregations for dynamic data visualization and decision-making.

Data Analytics User Demographics Analysis (Microsoft Power BI)

- Utilized Microsoft Power BI to analyze a dataset containing user demographics across various data analytics expertise levels, ranging from beginner students to seasoned professionals.
- Performed data cleaning and normalization to ensure consistency and accuracy of insights.
- Developed multiple visual components with interactive filters to explore trends and patterns.
- Integrated all visualizations into a comprehensive dashboard, providing actionable insights and key outcomes for stakeholders.

Diwali Sales Data Analysis (Python)

- Utilized Python libraries such as NumPy and Pandas for comprehensive data cleaning and preprocessing of Diwali sales data.
- Performed exploratory data analysis (EDA) to uncover trends, patterns, and insights from raw sales data.
- Created visualizations using Matplotlib to represent insights through various graphs, highlighting key aspects of sales performance and customer behavior.
- Delivered actionable outcomes based on visualized data, enabling informed decision-making.

Smart Elevator System Optimization Using EFSA

- Implemented Extended Finite State Automata (EFSA) to develop a smart elevator system, eliminating unnecessary stops through real-time user presence detection algorithm.
- Optimized elevator operations to reduce energy consumption and wait times by dynamically adapting to user interaction patterns.
- Simulated performance differences between traditional and EFSA-based elevator systems, evaluating metrics such as energy efficiency and user convenience.

Certificates

Mastering Data Structures and Algorithms	Udemy
MERN Full Stack Internship Program	ETHNUS

Languages

Marathi	Native proficiency
English	Professional proficiency
Hindi	Professional proficiency