

# P VM Harsha Vardhan

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Web Developer | Aspiring Data Scientist

## Career Objective

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To leverage my expertise in front-end web development and growing proficiency in data science to contribute to innovative, data-driven solutions in a dynamic organization. I aim to enhance my skills and knowledge while driving impactful outcomes in the field of data science.

## Education

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Degree	Institute	CGPA/Percentage	Year
B.Tech (CSE)	JNTUA CEA	8.44 (Till 6 <sup>th</sup> Sem)	2021-2025
Intermediate (MPC)	NARAYANA Jr. College	95.3%	2021
Secondary	SVN High School	10 GPA	2019

## Technical Skills

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- **Programming Languages** : Python, C, Basics of Java.
- **Web and API Tools** : HTML, CSS, Bootstrap , JavaScript.
- **Coursework** : DBMS(SQL), , Web Development, OOPS, Data Structures and Algorithms.
- **Development Tools**: Visual Studio, Anaconda(Jupyter), PyCharm, GitHub.
- **Data Science Tools**: NumPy, Pandas, Matplotlib, Seaborn.

## Projects

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### Student Management System:

- Developed a comprehensive Educational Management System using Python, integrated with a MySQL database to efficiently manage student, teacher, and operational data.
- Implemented role-based authentication (admin, teacher, student) with secure CRUD operations, allowing users to manage records.
- Automated logging of user actions and database operations, ensuring full auditability and facilitating effective tracking of system activity.

### Festival Sales Analytics - Diwali Consumer Trends:

- Pre-processed and cleaned Diwali sales data by removing irrelevant columns, handling null values, and standardizing data types using Pandas.
- Conducted comprehensive Exploratory Data Analysis (EDA) using Seaborn and Matplotlib to visualize insights on demographics, regional trends, and product preferences.
- Extracted key sales trends and consumer behaviour patterns through statistical analysis and graphical representations of the dataset.

### Modern Interactive Web Calculator:

- Built a modern calculator web app with gradient UI and comprehensive arithmetic operations using HTML, CSS, and JavaScript, featuring instant computation response.
- Integrated mouse and keyboard input handling with real-time calculations, animated button feedback, and intelligent key mapping for seamless operation.
- Designed an intuitive interface with clean styling, right-aligned display, responsive visual elements, and smooth gradient transitions for enhanced usability.

## Certifications

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### Responsive Web Design – freeCodeCamp

- Learned to code web pages, add styles to enhance presentation, and ensure responsive design for various screen sizes.