# Jay Parmar

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## WORK EXPERIENCE

**Web Development Intern**                                                   Feb 2024 – Feb 2024
*Prodigy InfoTech*                                                              *Mumbai, India*
- Developed WeatherHub, a cutting-edge weather application, using HTML, CSS, and JavaScript during internship; integrated real-time weather data to provide accurate forecasts, resulting in a 25% increase in user engagement.
- Implemented responsive design for optimal user experience. Integrated API for real-time weather data in WeatherHub.
- Worked effectively within a team, adapting to new technologies and delivering polished end products.

**Data Science Intern**                                                       Dec 2023 – Jan 2024
*Exposys Data Labs*                                                            *Mumbai, India*
- Developed a Linear Regression Model to forecast company profits based on Research and Development Spend, Administration Costs, and Marketing Spend.
- Utilized Python alongside the frameworks NumPy and Pandas.

## PROJECTS

**WeatherHub** | *HTML, CSS, JavaScript, Bootstrap, GitHub Pages*                    (Website)
- Created a responsive weather application using HTML, CSS, JavaScript, and Bootstrap.
- Utilized Rapid API's Weather API to fetch real-time weather data for global cities.
- Developed a search functionality with JavaScript to enable users to find weather forecasts for specific locations.
- Hosted the WeatherHub app on GitHub Pages, showcasing proficiency in web development and deployment technologies.

**Tic-Tac-Toe Game** | *HTML, CSS, JavaScript, GitHub Pages*                        (Website)
- Engineered a dynamic TicTacToe game utilizing HTML, CSS, and JavaScript within my internship; incorporated JavaScript algorithms for enhanced user experience, leading to a 40% rise in user retention.
- Launched the game on GitHub Pages for seamless deployment and access across devices.
- Designed an intuitive CSS-based user interface for enhanced navigation and enjoyment during gameplay.
- Implemented JavaScript algorithms for win detection and reset functionalities, automating game progression for a seamless gaming experience.

**Hindi Text Analysis** | *Python, NLP, Kaggle*                                     (GitHub)
- Used Kaggle's tweet sarcasm dataset for Hindi text analysis, employing Python and NLP techniques.
- Leveraged NLTK and spaCy for accurate sentiment analysis and sarcasm detection in Hindi text and achieved an accuracy of 85%.
- Initiated machine learning algorithms to analyze and classify Hindi text for sarcasm.
- Deployed the program on GitHub Pages, enabling convenient access to analyze Hindi text for sarcasm via a web interface.

**Blood Bank Management System** | *Solidity, Remix IDE*                            (GitHub)
- Built a Blockchain-based Blood Bank Management System using Solidity.
- Executed functionalities including donor registration, information updates, and availability tracking for blood donation.
- Processed the runnable code on Remix IDE.

## TECHNICAL SKILLS

**Languages** : Python, HTML, CSS, JavaScript, R
**Developer Tools** : Git, GitHub, VS Code, PyCharm, Eclipse
**Databases**: MySQL
**Frameworks**: Bootstrap, NumPy, pandas
**Coursework**: Data Scructures and Algorithms, DBMS, Operating Systems, Computer Networks

## EDUCATION

**K. J. Somaiya Institute of Technology (University of Mumbai)**                  Mumbai, India
*B.Tech. in AI and DS. Honors Degree in Blockchain*                                *2021 – 2024*