

Vraj Borad

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TECHNICAL SKILLS

Languages: Python, C/C++, SQL, JavaScript, HTML, CSS, Java, Swift
Frameworks: React, Node.js, Next.js, Flask, Django, WordPress, Three.js, TailwindCSS
Tools: Git, Google Cloud Platform, VS Code, Visual Studio, XCode, PyCharm, IntelliJ, Jupyter, Adobe Illustrator, Adobe Photoshop, Blender3D, MS Office
Libraries: Pandas, NumPy, Matplotlib, Tensorflow, Sci-kit learn, Pytorch, Keras, Scipy, Pygame

RESEARCH AND WORK EXPERIENCE

- Undergraduate Report Analyst** June 2024 – July 2024
Shubham Cargo Movers *Hazira, Surat*
- Analyzed data and created a detailed sustainability report, improving environmental impact understanding
 - Collaborated across departments to gather accurate data for the sustainability report
 - Presented findings and recommendations to senior management for improved sustainability strategies
- Artificial Intelligence Research Assistant** May 2024 – June 2024
Woosong University *Daejeon, Republic of Korea*
- Conducted extensive research on integrating AI, ML, and IoT technologies into smart grid systems.
 - Explained the complex workings of smart grids through detailed and immersive research presentations
 - Analyzed and described advanced load forecasting techniques to optimize energy management and distribution
 - Co-authored a research paper with two colleagues, engaging in thorough discussions during the research and writing process

PROJECTS

- Stock Market Simulator** | *Python, MYSQL, OOPS* January 2023 – March 2023
- Developed a stock market simulator using Python, implementing realistic trading scenarios
 - Utilized libraries such as NumPy for numerical computations and Matplotlib for data visualization
 - Integrated MySQL for robust data storage and efficient retrieval of stock market data
- Sudoku Solver** | *Python, Data Structures* June 2024 – Present
- Developed a Sudoku solver using backtracking algorithm to efficiently find valid solutions
 - Implemented logic to handle constraints and navigate the grid accurately
 - Tested the solver with various puzzles to ensure accuracy and optimal performance
 - Utilized Python's data structures for effective solution storage and retrieval
- Responsive TicTacToe Game** | *HTML5, CSS, Javascript, Node.js, Git* May 2024 – Present
- Developed an engaging Tic-Tac-Toe game using HTML, CSS, JavaScript, and Node.js
 - Created an interactive user interface with dynamic updates to reflect gameplay in real-time
 - Utilized Node.js for server-side logic to manage game state and handle player interactions
 - Ensured a responsive design, providing a seamless gaming experience across different devices and screen sizes
- Amazon Clone** | *HTML5, CSS, Javascript, Node.js, Git* May 2024 – Present
- Developed a responsive Amazon clone homepage using HTML and CSS, replicating the original site's layout
 - Designed a dynamic header with a search bar, navigation links, and a responsive logo
 - Implemented a carousel slider to showcase featured products and promotions, enhancing user engagement
 - Created visually appealing product categories with grid layouts, ensuring a seamless browsing experience across devices

EDUCATION

- Visvesvaraya National Institute Of Technology** Nagpur, Maharashtra
Bachelor of Technology in Computer Science and Engineering Aug. 2023 – May 2027
- S.D. Jain Modern School** Surat, Gujarat
Higher Secondary Certificate May 2023