

# Vedant Santosh Deshpande

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Self-motivated pre-final year student pursuing B.Tech in Computer Science and Engineering with a specialization in Artificial Intelligence at VIIT, Pune. Proficient in a variety of programming languages including JavaScript, C++, Java and Python, with a passion for technology and strong foundation in ReactJS, Object-Oriented Programming and Machine Learning. My problem solving skills, combined with my adaptability and ability to work in collaborative teams, allow me to effectively contribute to the success of complex technical projects.

## EDUCATION

**B.Tech - Computer Science and Engineering and Artificial Intelligence | CGPA: 8.1**

**Nov 2022 - Present**

**BRAC's Vishwakarma Institute of Information Technology**

**HSC | 74.50%**

**May 2020 - Jun 2022**

SBES College of Science

**SSC | 92.80%**

**May 2020**

Swami Vivekanand Academy

## SKILLS

### • Technical Skills:

- **Programming Languages:** C++, HTML, CSS, JavaScript, Python(Numpy, Matplotlib, Pandas, Seaborn, Plotly)
- **Technologies and Frameworks:** ReactJS(Hooks, Context API, Redux), Angular JS, jQuery, Bootstrap, TailwindCSS
- **Tools:** Figma, GitHub, Google Collab, Excel, Power BI, Tableau, Powerpoint

### • Industry Skills:

Web Development, Database Management, User Interface (UI) Design, Version Control.

### • Soft Skills:

Teamwork, Communication, Problem Solving, Creativity, Critical Thinking, Time Management

## PROJECTS

- 1. Triple Seat Detection:** Developed a computer vision-based system to detect triple seat riding on two wheelers using image and video inputs. Utilized OpenCV and deep learning techniques to process video frames and identify the number of riders. Implemented object detection algorithms to accurately flag violations. Designed a real-time alert mechanism to support traffic monitoring and enhance road safety enforcement.
- 2. AI Trip Planner:** Developed an intelligent trip planning application that suggests optimized travel itineraries based on user preferences. Integrated AI algorithms to recommend destinations, accommodations, and activities. Designed an interactive and user-friendly interface for seamless trip customization. Implemented real-time data fetching for weather updates and travel insights, enhancing user experience.
- 3. Financial Dashboard:** We built a full-stack financial dashboard app with React (Vite) for the frontend and Node.js/Express with MongoDB for the backend. We integrated JWT authentication for secure login and protected routes. The dashboard features dynamic charts for revenue and expenses, filters for transactions, and a recent transactions widget. I implemented backend APIs for transactions, summaries, and overviews, supporting weekly, monthly, and yearly data analysis.
- 4. An Interactive Plant Shopping App:** Designed a responsive UI with landing, product listing, and cart pages. Developed product listings with categories (e.g., Aromatic and Medicinal Plants) and detailed plant info. Implemented cart functionality with real-time cost updates, quantity adjustments, and image previews. Created seamless navigation with "Continue Shopping" and "Checkout" options.
- 5. Covid 19 Data Analysis and Visualization:** Cleaned and preprocessed large datasets from various sources. Explored data trends and patterns using statistical analysis. Created interactive visualizations(bar charts, line charts, maps) to communicate insights effectively. Utilize data visualization libraries like Plotly and Matplotlib.

## CERTIFICATION

- **Coursera** certified for **IBM Full Stack Software Development.**
- **Coursera** certified for **React's Basics.**
- **LinkedIn Learning** certified for **Career Essentials in Data Analytics.**