

# SATYAJIT SAMAL

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## EDUCATION

Biju Pattanaik University of Technology, Odisha Oct 2020 - July 2024  
Bachelor of Technology (B.Tech) in Computer Science

## PROJECTS

Inventory Dashboard | React, Redux, D3.js, RESTful APIs, Chart.js | Link to Code Live Link Nov 2024

- Developed a real-time inventory management dashboard using React for the front-end, **Redux** for state management, and **D3.js** for data visualization.
- Utilized **React Table** for dynamic tables and integrated **Chart.js** for bar and line charts for comprehensive data insights.
- Incorporated **xlsx** for handling Excel files and PDF generation for reporting features.

To-Do List Application | React, Context API, Local Storage | Link to Code Live Link Oct 2024

- Built a robust task management app, enabling **task creation, editing, and deletion** with **Context API** for efficient **state management**.
- Integrated **LocalStorage** to ensure persistent data across sessions, allowing users to track tasks seamlessly, enhancing user convenience.
- Emphasized **optimized performance** with efficient **event handling**, enhancing responsiveness and user experience.

Tic Tac Toe Game Application | React, Context API, TailwindCSS | Link to Code Live Link Oct 2024

- Developed a classic Tic Tac Toe game using React, featuring a clean and intuitive user interface.
- Used **Context API** to handle game state, including undo/redo functionality and reset options.
- Implemented the game logic for smooth gameplay and accurate win condition detection and styled with **TailwindCSS**.

Currency Converter Application | React, JavaScript, API Integration | Link to Code Live Link Jun 2024

- Utilized **React** for building a **responsive** and interactive **user interface**.
- Integrated a third-party **API** to **fetch** live exchange rates, ensuring accurate and up-to-date conversions.
- Optimized performance by minimizing **API calls** and efficiently managing state with **React Hooks**.
- Developed a feature to swap currencies seamlessly, enhancing user convenience.
- Implemented core functionalities including **currency selection, amount input, and conversion result display**.

## EXPERIENCE

FluenceTech Dec 2022 - Mar 2023  
Front-end Developer Intern (HTML, CSS, JavaScript, React.js, UI/UX Design) Bhubaneswar, OD

- Built and optimized responsive, visually engaging web interfaces** using HTML, CSS, JavaScript, and React, focusing on seamless user interactions and performance across various devices.
- Developed dynamic user interfaces** by transforming design mockups into functional and interactive web pages.
- Improved user experience by implementing state management** techniques and efficient DOM manipulation to enhance application responsiveness and performance.
- Collaborated with cross-functional teams** to ensure a cohesive and intuitive user experience, ensuring design consistency and user-centric development.

## CERTIFICATE

NullClass Certificate of Training | HTML, CSS, JavaScript, React, NodeJS, MongoDB | Drive Link May 2023

- Completed a comprehensive **online training** on Web Development, focusing on building a **real-time website like StackOverflow**.
- Gained **hands-on experience** in full-stack development, implementing **real-time functionalities**.

## TECHNICAL SKILLS

Languages: JavaScript, Java  
Web Development: HTML, CSS, React, Redux, Node.js  
Other Skills: Git, GitHub, Tailwind CSS, Material UI