SAMARTH PATEL

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Portfolio - https://samp231004.github.io/Portfolio/
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Skill Highlights

- **Object-Oriented Programming:** Proficient in applying OOP principles for software design and development.
- **Data Structures and Algorithms:** Solid foundation in data structures and algorithms, with ongoing learning to enhance proficiency.
- **Programming Languages:** Proficient in R, C/C++, and Python, with the ability to develop and implement solutions in these languages.
- **Web Development:** Proficient in HTML, CSS, and JavaScript, with a focus on React and Next.js for building dynamic and responsive web applications. Skilled in crafting modern and user-friendly interfaces to deliver an exceptional user experience. Have a knowledge about backend development as well.

Projects

Full-Stack Blog Platform

- Developed a comprehensive blog platform utilizing Appwrite and React, encompassing the following features:
- User Authentication: Implemented secure login and sign-up processes, enabling users to read posts with images after logging in.
- Routing: Integrated full routing for seamless navigation across different sections of the application.
- Post Management: Users can add new posts with titles that generate slugs, using Tiny Cloud for a rich text editing experience. Additionally, posts can include uploaded images.
- Content Control: Provided functionalities for users to edit and delete their posts, ensuring full control over their content.

Spotify Clone

- Implemented core functionalities including play/pause, volume control, next/previous track navigation, and a progress bar.
- Ensured mobile compatibility with a fully responsive design.
- Utilized clean and efficient code to create an interactive and user-friendly interface.
- Hosted the project on a live server for demonstration purposes.
- Maintained version control and project documentation using Git and GitHub.

Rice Type Classification

- Created a web application that classifies different types of rice based on uploaded images.
- Implemented a user-friendly interface with HTML and CSS for seamless image uploads and result display.
- Utilized Flask for the backend and TensorFlow for the machine learning model to ensure accurate classification.
- Focused on clean and efficient code to enhance the application's performance and reliability.
- Maintained version control and project documentation using Git and GitHub for efficient project management.

Education

Vellore Institute of Technology (2022 – 2026)

Bachelor of Technology (Btech) in Computer Science