SAMARTH PATEL

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Linkedin | GitHub | Portfolio

Projects

MERN Stack Streaming Platform Live Link

Built an interactive video streaming platform utilizing the MERN stack:

- **Video Management**: Users can **view** and **upload** videos easily.
- **Engagement Features**: Integrated functionalities to **add** or **delete comments** and **like videos**.
- **Robust Performance**: Designed with a focus on **efficient data handling** and **smooth user interactions**.

Full-Stack Blog Platform Live Link

Engineered a robust blog platform using **Appwrite** and **React**, featuring:

- **User Authentication**: Secure login and registration for accessing image-enhanced posts.
- **Seamless Navigation**: Deployed full routing for seamless user experience
- **Post Management**: Facilitated user post creation with slugs using **Tiny Cloud** for a rich text editor. Integrated image upload functionality
- **Content Control**: Provided edit and delete options for users to manage their content effortlessly.

Other Projects

- *Payment Integration using Stripe* Live Link

  Developed a secure payment system using Stripe, **Node.js**, and **React**.
  - **Checkout Experience**: Built a responsive React-based UI for seamless transactions.
  - **Secure Backend**: Integrated Stripe API with a Node.js backend to handle payments, subscriptions, and real-time webhooks.
  - **Duplicate Payment Prevention**: Implemented **UUIDs** to ensure customers are not charged multiple times due to network errors
- *Rice Type Classification* GitHub Link

  Developed a web application for rice type classification using **Flask** and **TensorFlow**.
  - **User Interface**: Designed with HTML and CSS for smooth image uploads and accurate result display.
  - **Backend & ML Integration**: Utilized Flask for backend services and TensorFlow for image classification.
  - **Code Quality**: Guaranteed high performance and reliability through clean and efficient code, with Git and GitHub for project management.

Experience

Remote Internship | Artificial Intelligence with Google TensorFlow | SmartInternz
  - Acquired hands-on experience in AI and ML, engineered projects using **Google TensorFlow**.

Skill Highlights

- **Object-Oriented Programming (OOP):** Strong grasp of OOP principles for effective software design.
- **Data Structures and Algorithms:** In-depth knowledge, continuously expanding expertise.
- **Programming Languages**: Proficient in **R, C/C++,** and **Python**, with a focus on delivering practical solutions.
- **Web Development**: Full Stack Web Developer specializing in the **MERN stack** (MongoDB, Express, React, Node.js) with expertise in creating dynamic, responsive applications. Skilled in both frontend and backend development for cohesive, full-stack solutions

Education

Vellore Institute of Technology (2022 – 2026)
Bachelor of Technology (Btech) in Computer Science with Business System