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Mumbai, India

Portfolio



PROJECTS

LearnSet – AI-Powered Study Platform [🌐] [🔗]

Next.js, React, TypeScript, Tailwind CSS, shadcn/ui, Firebase, Firestore, Inngest, RAG, Vercel

- Built and deployed a full-stack AI study platform covering **100% of the MSBTE diploma curriculum**, unifying fragmented academic resources into a syllabus-aware system
- Designed an end-to-end **RAG architecture** by embedding multi-semester, multi-subject content into a vector knowledge base to improve answer relevance over generic LLMs
- Implemented a **3-stage AI inference pipeline** (embedding → retrieval → generation) with **real-time streaming** for low-latency, step-by-step explanations
- Modeled a deterministic academic hierarchy across **branch, semester, and subject** to enable consistent navigation and scalable curriculum expansion
- Built secure content contribution workflows using **Firebase Auth and Firestore** with **role-based access control** and validation
- Deployed a production SaaS stack with **Next.js and Vercel**, integrating **Inngest**, CI/CD, and caching for reliability and performance

School Management System - Full Stack [🌐] [🔗]

Next.js, React, TypeScript, Tailwind CSS, shadcn/ui, Firebase, Firestore, Genkit AI, Vercel

- Built a **complete school management system** as a final-year project to centralize and streamline **student, faculty, and administrative operations**
- Designed and implemented modules for **student, teacher, and class management**, enabling structured data handling across academic entities
- Developed an **attendance tracking and performance management system** to maintain accurate academic records and reports
- Implemented **role-based authentication and authorization** for **admin, staff, and students**, ensuring secure access control
- Created a **centralized administrative dashboard** to provide real-time visibility into school operations and records
- Optimized the **relational database schema** to ensure data consistency, reduced redundancy, and efficient query performance

Portfolio Website – Solo Project [🌐] [🔗]

Next.js, React, TypeScript, Tailwind CSS, Framer Motion, shadcn/ui, EmailJS, Vercel

- Developed** a full-stack responsive portfolio website with **Next.js**, integrating front-end and back-end functionalities
- Designed a responsive UI using **Tailwind CSS** and **Framer Motion**, ensuring a smooth UX across devices
- Added a contact form with **EmailJS** for direct communication from visitors

SKILLS

Languages:

- Python, Next.js, JavaScript, TypeScript

Framework & Libraries:

- React, Next.js, Node.js, Django, Tailwind CSS

Databases:

- MySQL, MongoDB

Tools & Platforms:

- Git, GitHub, VSCode, IntelliJ IDEA

Technologies:

- HTML5, CSS3, REST APIs, Wireframing, Responsive Design, CI/CD

EDUCATION

University of Mumbai

Bachelor's in Information Technology (B.Sc. IT)

📅 July 2023 – Present [Expected: April 2026]

- Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Database Systems, Computer Networks, Software Engineering, Machine Learning
- Achievements:** Secured top 5% in coding competitions

Dr. Antonio Da Silva College

Higher Secondary Certificate (HSC)

📅 June 2021 – March 2023

ACHIEVEMENTS

- Led a **10-member** team for the annual cultural fest
- Maintained **8.5+ CGPA**
- Published **5+ in-depth technical blogs** simplifying web development concepts and tooling

CERTIFICATIONS

- Software Engineering – Accenture
- Coding: Development & Advanced Engineering Job Simulation – Accenture
- Data Analysis – LinkedIn and Microsoft