



Palash Pathare

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Codolio - <https://codolio.com/profile/Omega>

SKILLS

Languages	Python, JavaScript (ES6+), HTML5, CSS3,C++
AI & Backend	Gemini API, FastAPI, RAG Architecture, Ollama, Pinecone (Vector DB), Node.js/Express
Frontend & Data	React,Tailwind CSS, Firebase Auth/MongoDB, Locomotive.js, Pandas (Data Processing)

EDUCATION

2023 - Present	BE Computer Engineering at Fr. Concecio Rodrigues	(SGPA: 8.4)
2022	Class 12th KJ Somaiya College Of Science And Commerce	(Percentage-67)
2021	Class 10th Ryan International School	(Percentage-87)

PROFESSIONAL EXPERIENCE

BitNBuild Hackathon & Finalist 11th October 2025
Held at Fr.Concecio Rodrigues College Of Engineering.

ContentAI is a full-stack, AI-driven content generation platform developed using React, Node.js/Express, and the Gemini API. It integrates a MongoDB database for secure content history and persistence, and utilizes Firebase Authentication for user management. The platform features 50+ customizable content templates, real-time generation, and a Brand Voice Management system, all presented through a modern, responsive UI crafted with Tailwind CSS.

TSEC Minithon at Thadomal Shahani Engineering College & Finalist 19th September 2025
The Digital Art Portfolio Platform is a comprehensive frontend application built with React and Three.js that empowers artists to showcase their work. The platform features an Interactive 3D Gallery powered by Three.js for immersive viewing, alongside fully Customizable Artist Profiles, multimedia support, and an advanced engagement system, demonstrating strong proficiency in modern frontend architecture and complex graphics rendering.

Smart India Hackathon 2025 & Participant September 2025
Successfully navigated two distinct problem statements. I demonstrated technical versatility by rapidly prototyping innovative solutions across different domains, showcasing strong adaptability and problem-solving skills under pressure.

PROJECTS

HealthCare Bot

The AI-Powered Healthcare Chatbot was architected using Python and a Retrieval Augmented Generation (RAG) system, incorporating microservices for modularity and scalability. It leverages Ollama for efficient local LLM deployment and the Pinecone API as a vector database for evidence-based responses. Key features include real-time patient location tracking for regional resource recommendations, geo-fencing for specialized clinic information, and multilingual support, showcasing advanced expertise in NLP, geospatial integration, and custom LLM application development for the medical domain.

Academic AI

The AI-Powered Academic Chatbot was developed using Python and a Retrieval Augmented Generation (RAG) architecture. The system leverages Ollama for efficient local deployment of an LLM, integrating the Pinecone API as a vector database, and utilizes LangChain for effective orchestration. This solution provides accurate, context-aware responses to complex academic queries, showcasing advanced expertise in NLP, custom LLM application development, and microservices integration.

Echospace

Environment-focused front-end website for clothing and accessories, built exclusively with HTML, CSS, and JavaScript. The platform integrates Locomotive.js to deliver a premium, ultra-smooth scrolling experience and advanced parallax effects, demonstrating strong proficiency in creating complex, modern UI/UX and optimizing for visual content.

Taxwise

AI-Powered Personal Finance Platform for Indian users, built full-stack with React (Tailwind CSS) and FastAPI. It features intelligent data processing using Pandas and PDFPlumber to ingest and categorize bank statements. The platform provides AI-driven tax optimization (comparing Old vs. New tax regimes and calculating deductions like 80C) and includes a specialized CIBIL Score Advisor for credit simulation and personalized improvement recommendations, all integrated via Supabase or Firebase for persistence and secure authentication.