

Sai Rithvik Padma

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Education

Birla Institute of Technology and Science
Bachelor of Engineering, Computer Science

Pilani, India
Graduated 2026

Technical Skills

Languages & Frameworks: TypeScript, Python, React, Next.js, Node.js, FastAPI, Tailwind CSS

AI Systems: OpenAI API, LangChain, LangGraph, Google Gemini, Hugging Face Transformers

Tools & Infrastructure: PostgreSQL, MongoDB, Convex, Docker, Vercel, Solidity, EVM

Professional Experience

Bitnorm

Full Stack Engineer

Remote
Jan 2026 – Feb 2026

- Designed and shipped a community feed with posts, media viewing, reactions, and comments using layered React architecture, GraphQL/REST service abstractions, and reusable custom hooks.
- Centralized auth-gated user actions through a shared intent-first hook and reorganized the blogs module into a feature-based system with full CRUD workflows and backend integration.

StockInsights AI

Software Engineer Intern

Remote
May 2023 – Oct 2023

- Built LangChain and OpenAI-powered features for contextual AI chat, semantic search, and stock filtering, including prompt design and streaming responses for financial workflows.
- Shipped the landing page, earnings-call dashboard, and announcements dashboard in Next.js, added Google OAuth via Supabase, and built graph views for time-series stock data.

Chainmonks

Frontend Developer Intern

Onsite
May 2023 – Jul 2023

- Developed a metadata-driven React admin dashboard for product selection and real-time monitoring workflows.

Web3Verse Academy

Web3 Researcher Intern

Remote
Jan 2023 – Apr 2023

- Built the platform landing page, authentication flow, and in-browser editor, then deployed Solidity contracts on EVM.

Projects

Tobi – WhatsApp Print-Ordering Assistant

Live | GitHub

WhatsApp-first print-ordering assistant for Indian print shops that interprets PDF print requests with Gemini, asks for missing details, validates print slots deterministically, computes quotes, creates Razorpay payment links, and updates a shop dashboard through Cloudflare Workers, D1, R2, and KV.

Causalis – Maritime Supply-Chain Intelligence Platform

Live | GitHub

Built a maritime intelligence platform that turns natural-language disruption scenarios into graph simulations across 45 ports, 20 routes, and 6 chokepoints. Combines BFS cascade propagation, carrier exposure scoring, sentence-transformers retrieval, and streamed Gemini responses, with results visualized on a React Three Fiber 3D globe.

Conversant – Real-Time AI Meeting Copilot

Live | GitHub

Real-time meeting copilot that captures microphone audio in 30-second segments, transcribes with Groq Whisper, and surfaces context-aware questions, talking points, answers, and fact-checks through GPT-OSS. Includes transcript compression for long sessions, SSE chat streaming, color-coded suggestion cards, and Zod-validated API routes.

Panora – Real-Time Manga Translation Extension

GitHub

Chrome extension and FastAPI computer-vision service that detects speech bubbles and floating text with RT-DETR-v2, batches OCR and translation through Gemini 2.5, and renders live overlays across 12 languages with cached translations and geometry-aware placement.

SIFT – AI Resume Screening Platform

Live | GitHub

LangGraph screening pipeline where skill extraction and job analysis run in parallel, feed a matcher, and produce deterministic candidate scores in code instead of relying on direct LLM scoring. Supports batch resume processing, per-result resume viewing, and human-review flags for borderline matches.

Shoptalk – Voice Support Assistant

Live | GitHub

Gemini Live voice assistant that streams microphone conversations, grounds replies through tool-calling over local order and policy data, and responds in both audio and chat. Manages session-scoped API keys, live transcripts, audio playback, and browser-based support-tool orchestration.