

Anish S Vyapari

Computer Science Engineering (AI & ML) · Cloud Infrastructure & DevOps Specialist

- 🌐 vyapari.space
- 📁 gitlab.com/Vyapari-Dev
- 📺 youtube.com/@actinode
- ✉️ vyapari.space/#network
- 📍 Navi Mumbai, Maharashtra, India

PROFESSIONAL PROFILE

Computer Science Engineering student at Ramrao Adik Institute of Technology (RAIT), specializing in **Artificial Intelligence, Machine Learning, and Cloud-Native DevOps Automation**. Extensive experience designing declarative CI/CD pipelines, Docker containerized architectures, and fault-tolerant Linux host environments. Creator of production developer tools, real-time client work synchronization systems, and intelligent multi-modal interfaces with rigorous focus on zero-downtime deployment, sub-second latency, and defensive asynchronous error boundaries.

EDUCATION

Bachelor of Technology in Computer Science & Engineering (AI & ML)

Ramrao Adik Institute of Technology (RAIT), D.Y. Patil Deemed to be University · Navi Mumbai

Currently in **Year 2, Semester 3** (Core Systems Track). Key Coursework: Data Structures & Algorithms, Deep Learning, Natural Language Processing, Operating Systems & Linux Kernel Concepts, Database Management Systems (DBMS/SQL), Computer Organization & Architecture, and Software Engineering Methodologies.

ACTIVE ENROLLMENT

Aug 2025 – Present

BTech CSE // Y2 S3

TECHNICAL ARSENAL

LANGUAGES & SCRIPTING

Python (PyTorch, TensorFlow)

JavaScript (ES6+)

TypeScript

C / C++

SQL (PostgreSQL)

Bash / Shell Scripting

HTML5 / Semantic CSS3

DEVOPS & CLOUD INFRASTRUCTURE

GitLab CI/CD Automation

Docker & Multi-Stage Builds

GitHub Actions

Linux Server Admin (Ubuntu/Debian)

AWS Cloud (EC2, S3, IAM)

Cloudflare DNS (SPF, DMARC)

Vercel Edge Deployment

GitOps Version Control

AI & MACHINE LEARNING

Neural Network Architectures

LLM Orchestration & Prompt Pipelines

Computer Vision Algorithms

NLP & Semantic Search

Context Ingestion Engines

Model Evaluation & Benchmarking

ARCHITECTURE & WEB SYSTEMS

Node.js / Express Backends

RESTful API Design

WebSocket Streaming

Browser Sandboxing & Security

Asynchronous Error Boundaries

Performance Optimization (95+ Lighthouse)

vyapari.space — Terminal Platform & Autonomous AI Interface

Modern JS • REST APIs • Vercel Edge • CSP Security

Engineered a high-performance personal engineering platform featuring an authentic terminal theme, dynamic GitLab repository indexing, real-time YouTube stream synchronization, and a contextual AI assistant with local knowledge caching.

- Architected client-side caching and dynamic multi-facet filtering for GitLab public and group repositories.
- Integrated real-time YouTube live stream broadcast detection with zero-API-key fallback scraping and caching.
- Engineered strict Content Security Policy (CSP), DNS security records (SPF, DMARC), zero inline styles, and 95+ Google Lighthouse scores.

[vyapari.space ↗](#)

Client Deliverables Sync Suite (webapp-sales-type-shi)

GitLab API • REST Endpoints • Automated Date Sorting

Automated client deliverables cataloging engine that synchronizes in real-time with the GitLab group webapp-sales-type-shi. Automatically parses commit activity, release metadata, and provides sorting by latest activity.

- Engineered serverless proxy endpoint `/api/gitlab-projects` with automated in-memory caching and public API fallback.
- Designed responsive deliverable cards with dynamic tag extraction, live status indicators, and repository links.

[Live Sync ↗](#)

Production GitLab CI/CD Automation Pipeline

GitLab CI/CD • Docker Multi-Stage • Alpine Linux • Shell

Standardized automated deployment pipeline for personal and client software projects, incorporating multi-stage container builds, automated static analysis, security checks, and continuous deployment to hosting infrastructure.

- Containerized application environments using lightweight Alpine Linux images, cutting artifact sizes by 65%.
- Reduced build and release cycle times with dependency caching, parallel execution stages, and automated rollback guards.

[GitLab ↗](#)

VyapariAI Terminal & Developer Tools Suite

JavaScript • Web APIs • Cryptography • Mistral AI

Comprehensive client-side developer utility suite providing 40+ offline-capable tools including JSON formatters, Base64 converters, UUID v4 generators, regex analyzers, and an AI-powered coding terminal with file context ingest.

- Implemented client-side file upload context parser for interactive code analysis, debugging, and review.
- Engineered zero-dependency utilities executing entirely within the browser sandbox for complete data privacy.

Tools Suite ↗

Actinode Engineering Streams (@actinode)

Systems Programming • C • Linux Environments • Live Broadcasts

Official technical streaming channel producing live deep dives into systems programming in C, Linux development environments, memory management, and cloud architecture refactoring.

- Streamed multi-hour technical broadcasts covering low-level C programming, algorithm design, and terminal tooling.
- Connected real-time live broadcast detection and stream metrics directly into portfolio site architecture.

YouTube ↗

ENGINEERING PRACTICES & GOVERNANCE

System Governance & Clean Architecture: Strict separation of concerns across Interface, Logic, Security, and Storage layers. Root-cause debugging over symptom patching, fail-loud in development, fail-safe in production.

DevOps & Infrastructure as Code: Immutable Docker containers, declarative CI/CD pipelines, strict asynchronous error handling, automated DNS security policies (SPF, DMARC, DNSSEC), and defensive rate-limiting.

Artificial Intelligence & Autonomous Workflows: Practical integration of machine learning inference models, local LLM context ingestion, automated data pipelines, and low-latency client interfaces.