

Karma Kansara

+91 9727778766 | karmakansara@gmail.com | linkedin.com/in/karma-kansara | github.com/arthados | karmak.vercel.app

EDUCATION

Rashtriya Raksha University
B.Tech in Computer Science & Engineering

Gandhinagar, India
June 2021 – May 2025

EXPERIENCE

Software Developer

Ekesa Tech

June 2025 – Present

Ahmedabad, India

- Engineered an **AI-powered resume parsing engine** using Python that has processed **115,000+ CVs**, eliminating third-party dependency and replacing a fully manual hiring workflow end-to-end.
- Migrated a monolithic architecture to **event-driven microservices** using RabbitMQ, building **secure system integrations** that offload bulk uploads (500+ files) to background queues for reliable, uninterrupted service at scale.
- Designed and built **RESTful APIs** in FastAPI with Docker-based deployment, delivering **data-exchange pipelines** between the ingestion service, parsing engine, and Next.js frontend backed by Supabase auth.
- Refactored a resource-intensive legacy search query, significantly reducing response latency; collaborated cross-functionally with product and design stakeholders across **Agile sprints, scope estimation, and code reviews**.

Software Development Intern

Biztic Technologies

Jan 2025 – May 2025

Ahmedabad, India

- Built **C# and SQL** parsers to extract and normalize metadata across **80,000+ hours** of OTT content and **81 live channels**, achieving **~95% accuracy** with unit tests validating pipeline correctness.
- Designed and owned end-to-end **data integration pipelines** — ingestion, cleaning, normalization, transformation — enabling downstream analytics on a previously unstructured content catalogue.
- Developed a pricing prediction model using XGBoost and Random Forest achieving **85% accuracy**, enabling data-driven content acquisition decisions across the business.

PROJECTS

Aegis – AI-Powered SOC Platform (AMD Hackathon Act 2) | Python, vLLM/ROCm, Streamlit, Pydantic

- Built a multi-agent **agentic AI platform** for SOC triage using **5 specialized agents** (Parser, Correlator, Triage, Planner, Reporter) that reason through security alerts and produce auditable verdicts — splitting a monolithic prompt into narrow agents for legible, traceable reasoning.
- Designed a **human-gated workflow** where agents recommend and humans approve — no auto-execution — ensuring **secure, privacy-compliant** operation with zero data leaving the environment on threat-intel lookups.
- Implemented **15 detection rules** with automatic mapping to MITRE ATT&CK tactics, generating deployable Sigma, YARA, Splunk SPL, and Elastic queries for downstream SIEM integration.
- Benchmarked concurrent throughput on **AMD GPU (vLLM/ROCm)** vs hosted API — measuring alerts/sec, p50/p95 latency, and cost-per-1k-alerts — to validate scalability of the agentic pipeline under load.

Audit Sphere – Governance, Risk & Compliance Tool | C#, .NET, MySQL

- Designed and built a modular desktop GRC application for **ISO 27001 & NIST compliance**, replacing manual spreadsheet-based audits with a structured, automated workflow supporting control mapping, auditor role assignment, and full audit lifecycle execution.
- Implemented **role-based access control** and automated report generation, ensuring only authorised personnel can view or act on sensitive compliance data.
- Delivered a real-time compliance dashboard with visual tracking metrics; covered core modules with **unit tests** to ensure correctness across framework mappings.

Sentiment Analysis on Twitter (Demonetization Study) | Hadoop, Apache Pig, Python, NLP

- Processed a **20GB Twitter dataset** on a Hadoop/Cloudera cluster, writing Apache Pig scripts for parallel distributed transformation and ingestion of large-scale unstructured social data.
- Applied **NLP-based sentiment classification** to categorise public opinion on India's 2016 demonetization policy; generated trend visualizations to surface key discourse patterns across time.

TECHNICAL SKILLS

Languages: Python, C/C++, C#, JavaScript, SQL

Frameworks & Backend: FastAPI, .NET, Node.js, Next.js, RESTful APIs, Microservices, RabbitMQ

AI / Agentic: Multi-agent systems, LLM orchestration, vLLM, OpenAI API, Pydantic, RAG-style pipelines

Databases: MySQL, ClickHouse, Supabase

ML & Data: XGBoost, Random Forest, NLP, Pandas, NumPy, Hadoop, Apache Pig

DevOps & Practices: Docker, Git, Unit Testing (pytest), Agile / Scrum, Code Reviews