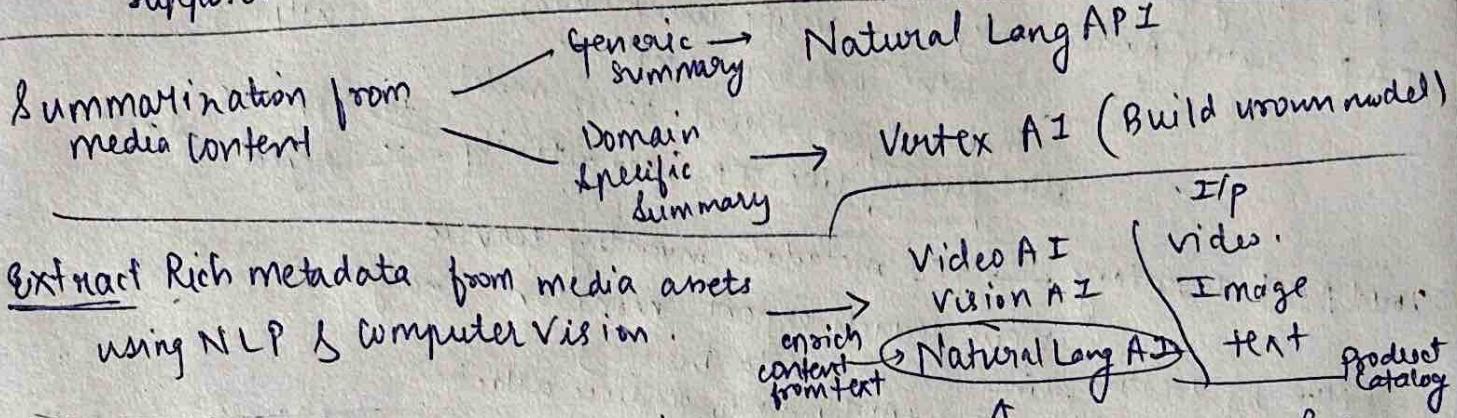
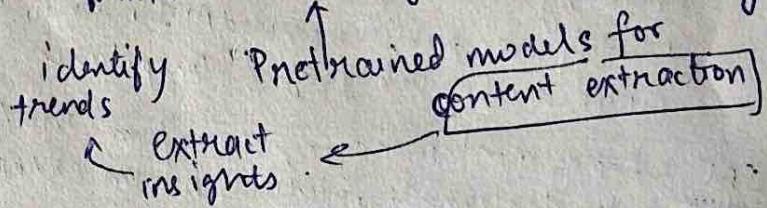


Natural Lang Interaction 24/7 → Conversational Agents (Dialogflow) → Create virtual agents



Customer Interaction Data Analyzing to help in decision making



Conversational Insights

- raw data is visualized using dashboards reports

AI powered detection for harmful content

model Training Tuning Vertex AI

Decisions of AI model → explained

Vertex Explainable AI

conversational(AI) Agents for personalized experience & content virality

callcenterbot → chatbots building → to provide personalized assistance with Natural Lang Understanding

Enhance search Relevance - Personalized search → Vertex AI search

Supplier Data → extract relevant attributes → Document AI

customization in Image Generation like bg, color, text etc → Vertex AI model

vertex AI → to develop UI for content review for associates to allow reject

Security Command Center, Assured Workloads, Sensitive Data Protection

automatically discover, identify, clarify sensitive data from SQL, GKE

SDWAN/Router Appliances → rural areas connectivity

Leverage Google Threat Intelligence Mandiant Consulting Service Mandiant Incident Response Services.		Security & Risk Management	
Dealer & Customer self service → conversational Agents Step by step guidance → Agent Assist		Static content (immutable) ideal for caching cloud storage + CDN	
Analyze the interaction data → conversational Insights		Cloud Armor → WAF Web APP API protection → against DDoS attacks.	
Apigee → Proxy layer		Proxy for LLM AI Agent	
AI safety with Model Armor & Apigee → gateway b/w LLM App & models		IAPI Identity Aware Proxy → verify user authorization policies (@ App level) both on cloud & on-prem app. (https)	
IAPI Identity Aware Proxy → verify user authorization policies (@ App level) both on cloud & on-prem app. (https)		Implement zero-trust access model uses context like IP, user activity → to approve or reject Access.	
Cloud Asset Inventory → GC's metadata inventory service view search export monitor analyse → asset metadata		Filter by location, time → metadata discovery Identify over public exposed APIs → to reduce attack. Audit trails, Debugging & Compliance → Reports on resource charges.	
IAC : Deployment Manager, Terraform (Infra Automation Framework) reduces OPEX faster deployments, reduces human errors.		Guaranteed RPO & RTO → Daily snapshots Cross Region Replication	
Cloud Run has native traffic splitting b/w Revisions Built in Canary development		new version of app deployed creates 90% old revision continuous to exist. 10% new revision	
Database Migration Service on-prem other cloud self hosted database		fully managed serverless, minimal downtime, encryption	
Req: Transactions must remain online during migration with minimal downtime.		Apigee External partners Large enterprises Cloud + Hybrid (on-prem) Advanced Analytics Detailed Analytics	
Cloud Endpoints Internal API (small teams)		API Gateway Medium External Cloud Native Basic analytics	
Cloud native No analytics		API Monetization Dev Portal Very Rich OAuth2, threat protection, quotas, routing, rate limiting	
X Limited Policy/trap Lightweight cheap		SLA's Heavy & expensive	
Basic Proxy OPENAPI gRPC spec support		Basic Proxy + Extra logic Governance & policy management	
Bigquery (partitioned tables to save cost) clustered table for query efficiency.		ZTA Identity First Network later.	