

TATA AIG: AI-Powered Risk Assessment

Designed and implemented a scalable, AI-driven automation system on Google Cloud. The solution streamlines risk assessment and reporting processes through intelligent data extraction, analysis, and report generation using Vertex AI and GCP services.

The challenge

Tata AIG, one of India's leading private general insurance companies, required an automated, accurate, and efficient way to assess property business. Their manual evaluation process was time-consuming, involving multiple teams to analyze documents and classify business risks. The goal was to reduce turnaround time while ensuring consistency, compliance, and data integrity across business lines.

The solution

Developed an automated, AI-powered review engine on GCP. This system automates document ingestion, data extraction, and entity identification using Vertex AI (Gemini with grounding) for text intelligence and Gemini APIs for contextual understanding. It integrates with BigQuery, Cloud Run, Cloud Functions, Cloud Logging, and API Gateway for smooth orchestration, error handling and secure data flow.

The result

The new review system has enabled faster risk assessment, automated reporting, and improved compliance. It reduces manual intervention, enhances process transparency, and ensures consistent evaluation standards. The solution saves the valuable time of underwriters and risk engineers to focus on decision-making rather than data collection, resulting in increased operational efficiency and accuracy.

This AI-Powered Risk Assessment system is a secure, scalable, and intelligent automation framework that leverages Google Cloud's AI ecosystem to transform traditional insurance assessment workflows.



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About TATA AIG GENERAL INSURANCE COMPANY LIMITED

Tata AIG is a joint venture between the Tata Group and American International Group (AIG). It is one of India's most trusted and innovative private general insurance providers, offering a wide range of products for businesses and individuals.

Vertical/horizontal solution: Financial Services

Primary project location: India



About ATGEIR SOLUTIONS PRIVATE LIMITED

We build enterprise data analytics and AI solutions on Google Cloud, enabling organizations to automate insights and drive meaningful digital change.



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