



Suhas Bhairav

AI Invoice Auditing and Discrepancy Checker

Automate PO matching and flag discrepancies for quick review.

Automate PO-to-invoice matching and flag overcharges for rapid, auditable review.

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suhasbhairav.com

Automated PO-Invoice Matching

Identify the core automation scope for PO-to-invoice matching and determine which items require human review. Establish the data, tools, and governance needed to start small and scale.

Key move Pilot with top 5 vendors to learn and adapt.

PRACTICAL CHECKLIST

- 01** Ingest POs, invoices, and contracts into a unified data model.
- 02** Automate line-item matching between invoice lines and PO lines.
- 03** Flag discrepancies in price, quantity, or tax for review.
- 04** Keep ambiguous matches for human-in-the-loop approval.
- 05** Maintain versioned datasets and auditable logs.
- 06** Validate supplier IDs, PO numbers, currency, and tax codes.
- 07** Use a lightweight AI model to generate match confidence scores.

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Data, Tools, and Practical Setup

Specify required data attributes, sources, and data quality checks. Map current processes to AI-enabled steps and identify the minimum viable tooling.

Key move Run a 2-week pilot with real invoices to validate thresholds.

PRACTICAL CHECKLIST

- 01** Data: PO numbers, invoice numbers, line items, quantities, prices, taxes, currencies.
- 02** Sources: ERP API, invoicing portal, and supplier catalogs.
- 03** Tools: ERP API, RPA for data collection, and a lightweight AI/matching engine.
- 04** Data quality: deduplicate, normalize units, and standardize vendor IDs.
- 05** Auto-approval policy: define confidence thresholds for automated approvals.
- 06** Example: Vendor A invoice matches PO 12345 across 3 lines; 1 line price variance flagged.
- 07** Security & governance: access controls, audit trails, and change management.

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Adoption, Guardrails, and KPIs

Detail ownership, approvals, and measurement to ensure accountability. Use a simple dashboard to monitor performance and risks.

Key move Review guardrails monthly; adjust thresholds as needed.

PRACTICAL CHECKLIST

- 01** Ownership: assign a process owner, data steward, and model owner.
- 02** Guardrails: set auto-approval limits and require human sign-off for exceptions.
- 03** Approvals: implement quarterly policy reviews and rule-change controls.
- 04** KPIs: auto-match rate, discrepancy rate, and time-to-pay.
- 05** Measurement: track pre/post leakage, cost savings, and cycle time.
- 06** Governance: document data lineage and versioned rules.

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ABOUT THE CREATOR

Suhas Bhairav

I build AI systems that combine distributed architecture, retrieval, knowledge graphs, security, and practical workflow design. My focus is AI that can be used repeatedly by real teams: understandable, reliable, and grounded in the work people already do.

EXPERTISE

- Principal systems architecture and applied AI engineering
- Production-grade AI systems, agentic workflows, RAG, and knowledge graphs
- Full-stack workflow applications across AWS, Google Cloud, Azure, on-premise, and hybrid environments
- Practical AI implementation patterns for automotive, manufacturing, finance, logistics, cybersecurity, sales, and customer operations
- Security, governance, observability, approvals, and failure-mode thinking for operational AI systems

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