Jayesh Yadav

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Education

Indian Institute of Technology, Madras **CGPA: 8.1**
Diploma in Data Science

University College of Engineering and Technology, RTU **CGPA: 7.4**
Bachelor of Science in Computer Science

Experience

Neuracer – AI-Powered Procurement Automation SaaS **Dec 2025 – Present**
Co-Founder *Bengaluru, India*

- Building an **end-to-end procure-to-pay automation platform** for SMB manufacturers featuring **three-way matching** (PO ↔ Invoices ↔ GRN), **LLM-powered document extraction** with GST compliance, **duplicate invoice detection**, automated multi-level approval workflows, and seamless **ERP integrations** via API/XML-RPC.
- Platform includes **AI-powered spend classification**, **auto GL coding** with vendor-specific accounting rules, vendor management with PAN/GSTIN validation, **multi-channel invoice ingestion** (email, web, mobile), role-based maker-checker workflows, and **real-time spend visibility dashboards**. Multi-tenant PostgreSQL with JSONB custom fields for per-client configurability.

Quantifai.ai – AI-Powered Reconciliation & Finance Automation **Feb 2025 – Present**
Data & AI Engineer *Bengaluru, India*

- **VC Fund Reconciliation Engine:** Built end-to-end document processing pipeline for capital call PDFs and bank statements (PDF/Excel) with **100% accuracy** requirement. Designed **Docling-first + LLM fallback** architecture, reducing API costs by **70%** while processing **500+ documents/month**. All extraction enforced through **Pydantic validation models**.
- **NER-Based Transaction Matching:** Built investor-name matching algorithm achieving **0% false positives** across **10,000+ transactions** with human-in-the-loop. Developed **adaptive learning system** that records user corrections into a knowledge base and auto-matches after 3 confirmations – **reducing manual intervention by 40%** MoM.
- **Browser-to-API Platform (Inspired by Parse.bot):** Built proprietary engine that converts any web portal into a programmable API, **auto-generating Python SDKs** from browser interactions. Added **email ingestion agent** for vendors distributing settlement data via email. Powering **30+ vendor integrations**, processing **1M+ transactions/day**, saving **150+ engineering hours/month**. Reusable connectors cut onboarding from **2 weeks to 2 days**.
- **Data Fabric – Self-Healing Pipelines (In Progress):** Building zero-code onboarding where users upload any document and system **auto-generates parsers**, tests in sandbox, and deploys to backend. Built **AI Agent** that auto-detects schema drift, self-heals pipelines, and sends root-cause alerts for approval. Includes **natural-language transformation rules** engine eliminating developer dependency for business rule changes.
- **Reconciliation Dashboard & Reporting:** Built interactive exception management dashboard with store-wise drill-downs, anomaly detection, and **one-click audit-ready report generation** – reducing month-end close from **10+ days to 3 days** for multi-outlet retail clients.
- **Platform Impact:** End-to-end ownership of all AI/data infrastructure – from document ingestion to reconciliation output. Platform serves **F&B chains, VC funds, and retail businesses** with fully automated reconciliation workflows.

Log9 Materials – EV Battery Technology **Mar 2023 – Jan 2025**
Data & AI Engineer *Bengaluru, India*

- **CellView – Automated Battery Analytics Platform:** Built full-stack analytics platform comparable to **Voltaiq ($200K+/yr SaaS)**, saving $200K+ annually. Engineered **automated data pipelines from battery cyclers** (4-6 hrs/day → real-time). Built **LLM-powered no-code dashboard** for natural language analytics. Adopted by **3 departments, 25+ DAU, 500K+ data points/day** from 50+ cyclers.
- **SOH Prediction Model – EV Insurance:** Built first-of-its-kind battery health prediction model (**98% R^2**) enabling insurance companies to replace engine-based premium calculations. Deployed across **1,200+ vehicles**, contributing to **$150K ARR partnership** with insurance providers.
- **Battery Pack Viability Prediction:** Meta-model (Random Forest + BiLSTM) predicting pack pass/fail **before assembly** with **R^2 of 0.93**, reducing testing time from **8 hrs to 15 min/batch**, cutting rework by **35%** and saving **$80K/year**.
- **AutoML & Automated Reporting:** Integrated AutoML module for predictive modeling of battery degradation patterns, **cutting QC cycle time by 60%**. Automated daily stakeholder reports with department-specific views, reducing decision turnaround from **3 days to same-day**.
- **Org Impact:** Operated as a **one-person data & AI team** across R&D, Quality, and Production. Combined savings across all projects exceeded **$350K/year** in tooling costs, manual labor, and material waste reduction.

KPMG **Nov 2022 – Mar 2023**
Data Analytics Consulting Intern

- Rectified **15,000+ data inconsistencies** across 3 client datasets (integrity: 72% → 96%). Built automated pipelines in **Python/SQL** reducing reporting turnaround from **5 days to 1 day**, delivering actionable insights for strategic decision-making.

Technical Skills

Languages & Frameworks: Python, SQL, FastAPI, Streamlit, Pydantic, React (Vibe Coding)
AI/ML: LLM Pipelines (Gemini, Claude), NER, CatBoost, BiLSTM, AutoML, RAG, AI Agents
Data & Automation: Docling, Browser-to-API, Reverse Engineering, ETL, Self-Healing Pipelines, Selenium
Tools: Git, Docker, PostgreSQL, Linux, Pandas, NumPy, Plotly, Odoo ERP