

ARCHIT VERMA

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Portfolio: <https://theArchit02.github.io/archit-verma-portfolio/>

PROFESSIONAL SUMMARY

Backend & Data Platform Engineer with 2+ years architecting production BI migration systems serving 500+ enterprise workbooks for Fortune 500 clients. POC for billable platform modules processing 60MB workbooks (197 worksheets) in <30 minutes via real-time API integration. Currently leading multi-agent LLM system development (OpenAI/Gemini/Llama) targeting 70% manual effort reduction. Expertise in metadata-driven automation, Docker deployment, and AI-trained rule engines with 92% estimation accuracy.

CORE SKILLS

Languages & Backend: Java | Python | TypeScript | SQL | REST API Design | Real-time Data Processing

Data & Metadata: Metadata Extraction & Modeling | Schema Replication | Data Lineage | BI Semantics (Tableau/Power BI/Qlik) | PostgreSQL, MySQL

AI & Automation: Multi-Agent LLM Orchestration (LangGraph) | OpenAI/Gemini/Llama APIs | AI-Trained Rule Engines | Synthetic Data Generation

DevOps & Production: Docker | Jenkins CI/CD | Git | On-Call Support | Performance Optimization | Production Monitoring

PROFESSIONAL EXPERIENCE

Product Engineer | Cognizant Technology Solutions | Dec 2023 – Present

- Own production Tableau Reverse Engineering module (billable) serving 500+ workbooks for 2 completed + 3 active Fortune 500 migrations—primary POC with on-call support reporting directly to Associate Director
- Architected real-time metadata extraction pipeline processing 60MB workbooks (200+ tables, 197 worksheets) in <30 minutes, generating Power BI artifacts via API integration—reduced manual migration time by 85% and processing time by 25% (40min→30min)
- Leading multi-agent LLM system development (30% capacity) using OpenAI/Gemini/Llama APIs with specialized model/report agents—created reusable AI orchestration framework adopted by 4 migration pattern teams, targeting 70% effort reduction at production launch (Q3 2025)
- Built AI-trained complexity scoring engine analyzing 15+ BI dimensions with UI-configurable rules, achieving 92% estimation accuracy for client bidding—processes custom SQL, calculated fields, relationships, hierarchies, parameters across workbooks
- Engineered schema replication system generating type-aware synthetic data for GDPR-compliant testing without production database access—supports validation across PostgreSQL, MySQL, MongoDB backends
- Deployed platform via Docker + Jenkins to client VMs, establishing containerized deployment strategy and logging infrastructure tracking migration success rates, failure patterns, and performance metrics
- Technical leadership: Created POJO mapping classes and AI wrapper utilities used by 4 pattern teams; contributed to UI automation POC with Git-triggered Jenkins builds reducing release cycles by 35%

KEY ACHIEVEMENTS

Production Impact: 2 billable modules | 500+ workbooks | 99.5% uptime | 85% migration time reduction | **AI Innovation:** Multi-agent LLM platform | 70% projected effort reduction | Reusable framework for 4 teams

Technical Leadership: POC for enterprise clients | On-call production support | **Performance:** 92% estimation accuracy | 25% faster processing | 35% shorter release cycles

EDUCATION

Bachelor of Technology | Rajiv Gandhi Proudyogiki Vishwavidyalaya | 2019–2023

ADDITIONAL INFORMATION

Domain Expertise: 3 months Tableau BI Specialist training | Open to relocation (Bengaluru, Hyderabad, Pune, NCR) or remote