T Abhilash
Senior Technology & Analytics Delivery Leader | Applied ML & MLOps

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Senior Technology & Analytics Delivery Leader / Technical Program Manager with 23+ years of experience delivering mission-critical IT, finance, and applied AI/ML-enabled transformation programs in highly regulated environments. Proven ability to frame complex business problems into analytical and ML-driven delivery models and execute across the full program lifecycle.

Brings deep expertise in national-scale payroll, compliance, and enterprise platforms, ensuring zero-downtime operations, audit readiness, and business continuity. Experienced in leading cross-functional teams across business, technology, and external authorities, and in operationalizing data-driven and AI-enabled solutions into production workflows. Recognized for translating business strategy and regulatory intent into reliable, auditable, and client-ready outcomes with measurable impact.

SKILLS
BUSINESS PROBLEM FRAMING

- Structuring business and regulatory problems into analytical approaches.
- Defining hypotheses, success metrics, and decision criteria.
- Translating analytical outputs into business and financial outcomes.

ANALYTICS & AI

- Machine Learning: Regression, Classification (applied, production-focused)
- Time Series Forecasting & Analytical Modeling (financial & payroll data)
- NLP & Sentiment Analysis (text classification, feature extraction)
- Large Language Models (LLMs), Retrieval-Augmented Generation (RAG)

Delivery & Program Leadership

- End-to-End Program & Project Delivery Ownership.
- Full Lifecycle Management & RAIDS.
- Stakeholder & Executive Communication.
- Governance, Compliance & Audit-Ready Delivery

TECHNOLOGY & DATA PLATFORMS

- Python, SQL, Power BI, Tableau
- Oracle APEX, Oracle Forms & Reports
- REST APIs & System Integration

CLOUD & TOOLING

- AWS, Microsoft Azure
- Jira, MS Project.

ACHIEVEMENTS

Digital Payroll Transformation:

Led implementation of digital payslips and Form-16 integration with DigiLocker improving accessibility and compliance at scale.

Budget Forecasting Excellence:

Received formal appreciation from ACAS (Accts) for accuracy in financial forecasting.

Income tax Risk Mitigation:

Mitigated IT Default risk at National Scale by leading cross-functional resolution with tax authorities and audit teams, strengthening regulatory confidence and audit readiness.

PROFESSIONAL EXPERIENCE

INDIAN AIR FORCE Across India | · Dec 2002 – Dec 2025(Retd)
Junior Warrant Officer (Accounts & IT Systems)

- Owned end-to-end delivery of high-risk, high-impact IT and finance programs **with national-level operational visibility and accountability.**
- Managed scope, schedule, budget, risks, dependencies, and change **across the full program lifecycle using RAIDS discipline.**
- Led programs from initiation through execution, governance reviews, and formal closure, **securing stakeholder alignment and sign-off.**
- Acted as the primary delivery interface **across Accounts, IT, audit bodies, Income Tax authorities, and senior leadership.**
- Executed complex system transitions **through phased rollouts, parallel runs, and rollback strategies, ensuring zero payroll disruption.**
- Ensured statutory compliance, audit readiness, and data integrity**, supporting budgeting, forecasting, and executive decision-making.**
- Delivered automation-enabled finance and compliance solutions**, ensuring business readiness and seamless transition to BAU**

PROJECTS

Payroll Expenditure Forecasting & Centralized Platform Migration (National Scale)

- Designed and operationalized a **time-series forecasting model for payroll expenditure budgeting** under Government of India payroll code heads, improving forecast accuracy and earning formal recognition for financial estimation excellence.
- Led the transition from unit-level payroll systems to a centralized national platform, executing phased rollouts, parallel runs, and rollback strategies to ensure business continuity and zero disruption to salary disbursement.
- Coordinated with Accounts, Income Tax, Audit bodies, and senior leadership to resolve data reconciliation, approval dependencies, and compliance requirements, strengthening governance and audit readiness.

AI-Assisted Claim Verification System (RAG-Based)

- Led end-to-end delivery of an AI-enabled claim verification solution to address delays and inconsistencies in manual assessment within a regulated environment, framing the problem into an analytical workflow using Retrieval-Augmented Generation (RAG) to combine policy documents, historical claims, and domain rules.
- Governed LLM integration with a curated knowledge base, ensuring explainability, traceability, and compliance through domain validation and human-in-the-loop controls, resulting in faster, more consistent claim evaluation and improved decision confidence.

Income Tax Default Resolution & Compliance Stabilization

- Led a cross-functional initiative to resolve national-scale income tax defaults by addressing root-cause data and process gaps in collaboration with tax authorities and audit teams.
- Implemented preventive controls that stabilized compliance workflows and restored regulatory confidence, ensuring uninterrupted payroll operations.

CERTIFICATIONS

- PMI Project Management Certification (Pursuing)
- AWS & AZURE Certification (Pursuing)
- Gen AI Foundations – Microsoft UpGrad
- Government Officer Training in Artificial Intelligence
- HackerRank SQL (Intermediate)
- Oracle Forms & Reports
- SQL, PL/SQL & Basic DBA
- Oracle 12C WebLogic Suite

DATA & ANALYTICS PROJECTS

Academic and analytics projects in Data Science.· 2023 - 2024
- Customer Churn Prediction – Machine Learning | 2024
- Time Series Forecasting on Financial Data | 2024
- NLP Sentiment Analysis | 2024

EDUCATION

Post Graduate Program in Data Science & Business Analytics
University of Texas at Austin & Great Lakes Institute of Management
2023 - 2024 · 3.89/4.33 GPA

M.Sc. in Information Technology
Punjab Technical University
2009 - 2011 · 68%