

ARYAN PANWAR

Technical Program Manager | Cross-Functional Delivery | Engineering & Product Alignment

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PROFESSIONAL SUMMARY

Technical Program Manager with hands-on experience driving 9 end-to-end shipped products — cross-functional program delivery, technical roadmap execution, and engineering-product alignment across B2B SaaS, compliance-first, and data-driven platforms. Skilled in breaking initiatives into technical specs and milestones, managing risk and dependencies across engineering and business stakeholders, and owning delivery from scope to release. Hands-on technical background (Python, LLM APIs, multi-agent orchestration) builds engineering credibility; Agile delivery via Jira, OKRs/KPIs, and product analytics (PostHog, GA4) drive data-informed decisions. Certified by Microsoft (Enterprise PM), Google (AI Essentials), and NVIDIA (Transformer NLP).

CORE COMPETENCIES

Program & Technical Delivery: Cross-Functional Program Management · Technical Roadmap Planning · Program Governance · Risk & Dependency Management · Milestone Tracking · Release Management · Escalation Management

Agile & Engineering Collaboration: Agile/Scrum · Sprint Planning · Backlog Management · Jira · Confluence · CI/CD Pipelines · Technical Specifications · System & Architecture Familiarity

Stakeholder & Metrics: Executive & Cross-Team Communication · OKRs & KPIs · Data-Driven Decision Making · A/B Testing · Product Analytics (PostHog, GA4)

Technical Stack: Python · LLM APIs (Claude, OpenAI, Gemini) · LangGraph · FastAPI · Multi-Agent Orchestration · Workflow Automation (N8n) · React/Node.js · GitHub Actions/CI-CD · Salesforce (Admin)

WORK EXPERIENCE

Instrumentation Engineering Intern — Indian Potash Limited, Muzaffarnagar, UP

Jun 2025 – Aug 2025

- Coordinated cross-team technical troubleshooting for RTD Pt100 sensors, pressure transmitters, and flowmeters using HART communicators; documented root-cause findings, failure modes, and SIS/ESD compliance protocols into structured process artifacts to support predictive maintenance and audit-readiness across teams in a live, regulated industrial environment

PROJECT EXPERIENCE (TECHNICAL PROGRAM MANAGEMENT FOCUS)

AI-First CRM HCP — PhRMA-Compliant B2B Pharma CRM [GitHub](#)

2026 | Technical Roadmap Execution · Multi-Agent Architecture · Compliance & Risk Management · B2B SaaS

- Drove end-to-end technical delivery of a multi-agent LangGraph architecture for a PhRMA-regulated B2B CRM, translating compliance requirements into a technical spec and coordinating build sequencing across agent, API, and frontend layers; owned risk/dependency management for compliance guardrails and audit trails, replacing 3+ manual processes

FitWardrobe — Privacy-First AI Stylist App (Sole Founder & Technical Program Lead) [Live Demo](#) | [Case Study](#) | [GitHub](#)

Jan 2026 – Present | Roadmap Ownership · Cross-Stack Dependency Coordination · Release Management · A/B Testing

- Owned the technical roadmap end-to-end across on-device AI inference, backend (Supabase/FastAPI), and analytics layers; defined OKRs & KPIs and sequenced milestones from PRD to v1.0.1 release, coordinating dependencies across the stack
- Identified a Day-1 onboarding drop-off via PostHog funnel data, ran A/B tests to validate a fix, and drove the release to production — closing the loop between data signal, technical change, and program milestone

SEO & GEO Optimizer — 14-Phase Agentic Workflow Automation Tool [Case Study](#) | [npm](#) | [GitHub](#)

Feb 2026 – Present | Technical Specification Authoring · Multi-Platform Release Coordination · Program Validation

- Authored a 1,400-line technical specification governing a 14-phase workflow automation program with human-in-the-loop validation checkpoints, sourced from official Google/Bing documentation and verified against 2025 Core Web Vitals
- Coordinated release validation across 6 AI dev environments (Cursor, Windsurf, GitHub Copilot, Replit, Lovable, Bolt) as independent integration checkpoints; published open-source npm package v1.2.0 covering Core Web Vitals, Schema Markup, and AI citation optimisation

Mithivoices — Open-Source AI Voice Platform [Case Study](#) | [GitHub](#)

Dec 2025 – Present | Program Scope & Milestones · Cross-Contributor Coordination · CI/CD Ownership · Release Management

- Defined program scope, milestones, and technical acceptance criteria for a multi-LLM voice platform, driving delivery of v0.2.0 within 30 days (19 neural voices, 8 languages, sub-450ms latency); owned the CI/CD pipeline and coordinated a distributed contributor base through structured, acceptance-tested release cycles

EDUCATION

B.Tech — Electronics & Communication Engineering | MIET, Meerut, UP | CGPA: 7.00/10 | Published Researcher — JETIR (IF 7.95)

Jul 2022 – Jun 2026

CERTIFICATIONS

- Enterprise Product Management Fundamentals — Microsoft / Coursera — Mar 2026
- Google Prompting Essentials Specialization — Google / Coursera — Mar 2026
- Google AI Essentials Specialization — Google / Coursera — Feb 2026
- Intro to Transformer-Based NLP — NVIDIA Deep Learning Institute — Feb 2026

More projects: github.com/Aryanpanwar10005 | Portfolio: aryanpanwar.in