

AMAN TRIVEDI

Project Manager (Tech) — Data, AI & Engineering

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PROFILE

Technical project manager with experience across **data engineering, backend systems, AI/GenAI and cloud infrastructure**. Currently leading a **6–7 person engineering team** while remaining hands-on with architecture, development and delivery of production systems. Experienced in taking technical initiatives end-to-end, from system design and data pipelines to APIs, AI products, security and compliance. Pursuing an **M.Sc. in DS & AI** from **BITS Pilani (Digital)**. HackerRank SQL 5★.

CORE CAPABILITIES

Software Engineering: Python, FastAPI, Node.js, React, Electron, REST APIs, System Design

Data & Analytics: SQL, PySpark, Apache Spark, ETL/ELT, Data Warehousing, Data Modeling, Power BI

AI / ML / GenAI: Machine Learning, XGBoost, PyTorch, Transformers, RAG, LLMs, LangChain, LangGraph, AWS Bedrock, SHAP

Cloud & Infrastructure: AWS, S3, Lambda, Glue, RDS, Redshift, API Gateway, Step Functions, Docker, Git/GitHub

Databases & Data Platforms: PostgreSQL, Oracle, MySQL, Qdrant

Technical Ownership & Delivery: Technical Project Ownership, Architecture, Production Delivery, Engineering Team Leadership, Stakeholder Management

EXPERIENCE

Project Manager (Tech) | AYE Finance

Oct 2025 – Present

- Lead a 6–7 person engineering team, owning technical planning, architecture, sprint execution, code reviews and stakeholder delivery across data, backend and AI initiatives.
- Architected and shipped** the company's **Lending Analytics Platform**, used company-wide by **5,000+ employees**, incorporating machine learning and GenAI capabilities.
- Architected **8+ ETL/ELT pipelines** and CDC-based data migrations using PySpark, AWS Glue and Lambda, processing 4B+ records across 5+ source systems; delivered the company's Data Warehouse 3 months ahead of schedule.
- Built and shipped **5+ production APIs** and **business-critical services** using FastAPI and AWS Lambda, including the Repeat Service handling approximately 5 lakh requests/month.
- Shipped Phase 1 of a **multi-agent RAG system** using LangGraph and AWS Bedrock for internal credit and policy queries; delivered through an Electron + Node.js application with a FastAPI backend and WhatsApp integration.
- Built and maintained a **Vault Service** for hashing and encryption of sensitive customer data and implemented data-retention controls across the data platform.
- Own delivery across multiple technical workstreams while remaining involved in system design, implementation and production troubleshooting.

IT Intern – Data Warehousing | AYE Finance

Dec 2024 – Sep 2025

- Led the end-to-end design and implementation of a data warehouse and ETL platform across multiple operational systems, processing 10M+ records.
- Designed data models and pipelines integrating LOS, LMS and CMS, and presented the architecture directly to the CTO.
- Delivered an RBI compliance application 3× faster than planned, coordinating execution with a 10-member team.

AI Intern | Finatic Labs

Aug 2024 – Dec 2024

- Developed full-stack ML features and UI/UX for a lending application; built an ML-based risk detection model achieving 93% accuracy.

PERSONAL PROJECTS

Lending Management System (MVP) | *FastAPI, React, React Native, AWS Bedrock, Groq, LangChain, Razorpay*

- Building a full-stack lending management platform covering Leads → Loan → Collection, with FastAPI, React and React Native.
- Implemented custom authentication/authorization and a multi-agent credit-decisioning workflow using LangChain, AWS Bedrock and Groq.
- Built a drag-and-drop report builder with automated SOA generation and integrated a demo Razorpay payment workflow.

- Credit Risk Scoring & Applicant Prioritization Pipeline** | *Python, XGBoost, FastAPI, SHAP* | [Live demo](#)
- Built an end-to-end applicant prioritization pipeline covering data ingestion, feature engineering, XGBoost prediction and SHAP-based explainability.
 - Exposed the model through FastAPI for real-time inference and explainable risk-based prioritization.

EDUCATION

M.Sc. in Data Science & AI (Pursuing) BITS Pilani (Digital)	2026 – 2028
B.Tech. in Computer Science & Engineering MIT-WPU, Pune	2021 – 2025

ACHIEVEMENTS & RECOGNITION

- 2nd Runner-up, AWS Agentic AI Hackathon
- 6+ internal recognition awards for service excellence, delivery and impact
- HackerRank SQL 5★