



# Dhiraj Yadav

Technical Project Manager | BCA Graduate

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## EDUCATION

### Bachelor of Computer Applications

(BCA)

Manipal University Jaipur

2020 — 2023

## BUSINESS ACUMEN

KPI Tracking    DAU and Retention Basics

Conversion Rate Thinking

A/B Testing Fundamentals

Funnel Analysis

User Research (Surveys/Interviews)

Product Roadmap (MoSCoW and RICE)

Financial Modeling Basics

Market Analysis and Strategic Planning

## TOOL FAMILIARITY

Linear    Mixpanel    Google Analytics

Notion    Slack

## TECHNICAL ACUMEN

SDLC and Release Lifecycle

API Integrations    Cloud Fundamentals

CI/CD Concepts

Data and Analytics Reporting

Cross-Platform Delivery

AI Workflow Understanding

## LANGUAGES

English (Professional)

Hindi (Native)

## Professional Profile

Results-driven BCA graduate from Manipal University Jaipur with a strong technical foundation and a passion for streamlined project execution. Adept at bridging the gap between complex technical requirements and business objectives. Focused on leveraging data-driven insights and Agile methodologies to deliver high-quality outcomes. Seeking to contribute my technical acumen and problem-solving skills to a forward-thinking organization.

## Case Studies

### Case Study: Extensible SaaS Architecture, Local-First, and Cloud-Collaborative

[View Case Study](#)

A system design exploration of extensible SaaS architecture balancing local-first performance with cloud collaboration and long-term product maintainability.

### Case Study: App for Social Connections and Interaction

[View Case Study](#)

A product strategy case study focused on social engagement design, interaction loops, and monetization-aware feature planning for a community application.

### Case Study: JanConnect - A Unified Digital Public Square for India

[View Case Study](#)

A civic-platform concept analyzing governance, trust, and participation mechanics for building a scalable, inclusive digital public square.

### Case Study: IndiStream - The Sovereign Media Exchange

[View Case Study](#)

A strategic media architecture case study outlining sovereign distribution, consortium-aligned incentives, and platform-level market design for creators and publishers.

## Key Projects

### Trilium MCP (Model Context Protocol Server)

[GitHub: dhiraj-ydv/trilium-mcp](#)

Built an MCP server that bridges AI agents and Trilium Notes via ETAPI, enabling natural-language, multi-step note operations (create, search, move, and edit) through a secure tokenized workflow.

### Zenith (Local-First PKM)

[GitHub: dhiraj-ydv/Zenith](#)

Engineered a local-first note app designed with AI agents as first-class users, using Markdown and YAML-native structures plus a virtual hierarchy, 3D knowledge graph, and multi-parent note relationships.

### AstraScribe (AI Writing Workspace)

[GitHub: dhiraj-ydv/astrascribe](#)

Developed an AI-first writing workspace with context-aware chat, LangGraph-based orchestration, and ChromaDB-powered semantic retrieval backed by real-time sync to local SQLite storage.

### ThoughtStream (Local-First Journal)

[GitHub: dhiraj-ydv/thought\\_stream-localfirst](#)

Implemented a cross-platform local-first journal using Hybrid Logical Clocks (HLC) and delta sync to deliver conflict-resilient synchronization across offline-first clients and an authoritative server.

### Trilium Sync TUI

[GitHub: dhiraj-ydv/trilium-sync-tui](#)

Created a fail-safe terminal sync utility with automatic Trilium process handling, pre-sync backup safeguards, and operation history logging to reduce risk of database corruption during cloud sync.