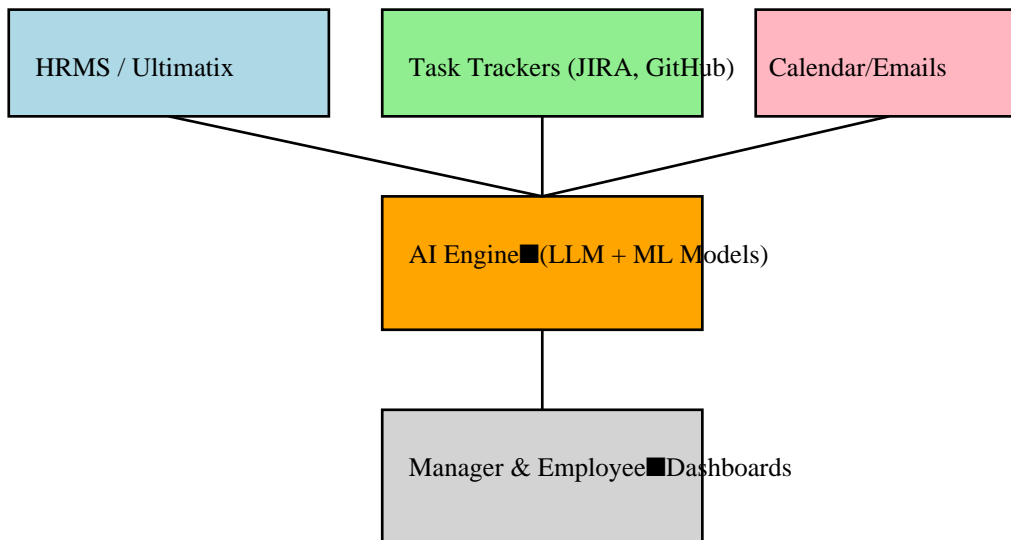


Build Phase Solution Details

1. Solution Overview

During the build phase, the Smart Workforce Allocation & Timesheet Optimizer has been developed with the following capabilities: - AI-driven skill-based workforce allocation. - Automated timesheet suggestion from integrated sources (calendar, commits, JIRA tasks). - Anomaly detection for compliance and accuracy. - Real-time dashboards for managers with predictive resourcing insights.

2. Technical Architecture Diagram



3. Prototype / Feature Snapshots

Prototype demonstrations include: - **Timesheet Auto-Fill UI**: Suggests entries with one-click confirmation. - **Skill Match Recommendation Screen**: Lists best-fit associates for open projects. - **Manager Dashboard**: Utilization heatmap, predictive resourcing alerts. - **Compliance Checker**: Flags missing or anomalous entries. (Screenshots, videos, or live demo can be attached separately as supporting material.)

4. Demo Flow

1. Associate logs in via TCS SSO. 2. AI auto-suggests timesheet entries from integrated sources. 3. Associate confirms or modifies the suggestions. 4. Manager views real-time dashboard for utilization and allocation. 5. System flags anomalies and provides compliance alerts.

5. Supporting Materials

- Scalability: Designed to support 100k+ associates simultaneously. - Integration Points: HRMS (Ultimatix), Outlook/Calendar, JIRA, GitHub. - Compliance: GDPR/DPDP compliant, logs for auditability. - Risk Mitigation: Encryption, RBAC, human-in-loop for approvals.

6. Next Steps & Roadmap

Phase 1: Complete end-to-end POC demo. Phase 2: Pilot rollout across one BU with ~1000 associates. Phase 3: Enterprise-wide rollout in phases. Phase 4: Package solution as a client-facing product.