# Pradeepti Reddy Tandra

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## SUMMARY

Full-stack software engineer with a background in healthcare technology, focused on building accessible, data-rich applications for patients and researchers. Proficient in React, Python, and REST APIs, with experience turning complex datasets into intuitive interfaces. Skilled in delivering automation, annotation, and data transformation pipelines in regulated environments. Passionate about applying AI to amplify patient voices and improve the user experience at every level.

## EDUCATION

Northeastern University | Master of Science - **Computer Science** Jan 2020 - Dec 2023
Northeastern University | Master of Science - Regulatory Affairs for Drugs, Biologics and Medical Devices Apr 2011 - Apr 2013
Osmania University | Bachelor of Science -Pharmacy Sep 2006 - Sep 2010

## SKILLS

**Frontend**: React, JavaScript, TypeScript, HTML/CSS, responsive UI design, accessibility
**Backend**: Python, REST APIs, ETL pipelines, command-line tools, Excel macros
**Testing**: UAT, manual QA, stakeholder sign-off, iterative feedback
**Data**: Metadata tagging, data annotation schema, structured data transformation
**Platforms**: Veeva Vault, Salesforce Health Cloud, CTIS, ClinicalTrials.gov
**Dev Practices**: Agile, CI/CD collaboration, documentation, user-centered workflows
**AI Tooling**: Prompt design, human-in-the-loop labeling, data-driven feedback loops

## PROJECTS

**CliniFind – Trial Finder App**
React Native, REST API, JSON, Search UI

- Built a mobile trial finder with dynamic filters and annotation-aware search features; simulated UX for patient-facing clinical search tools.

**Veeva Vault Center of Excellence (CoE) Enablement & Strategy**

- Designed internal CoE frameworks for Vault governance, release management, and integration with clinical and document management systems.
- Led training rollout and onboarding strategy for end users across regions and functions.

**ClaritiDox – Document Labeling Framework**
*Python, CLI, Excel, XML*

- Built an automation pipeline to annotate trial documents with regulatory and clinical tags.
- Reduced labeling cycle time by 30% through iterative UAT and structured stakeholder feedback

**ClaritiDox – Document Tracker Dashboard**

- Built platform-agnostic disclosure tracker integrating Veeva Vault and Clinical Trial Information System (CTIS) milestones. Supported transparency compliance for >100 studies.

## EXPERIENCE

**Software Engineer** - *ClaritiDox, LLC* | *Remote*
**Sep 2022 – Present**

- Scripted ETL workflows to convert unstructured XML trial data into structured datasets.
- Configured sandbox environments and validated data exports for 20+ high-stakes submissions.
- Created CLI tools and macros to streamline manual checks and stakeholder reviews.
- Designed user-facing portals to support takedown review, document triage, and redaction logic in support of public-facing data compliance.
- Maintained secure deployment processes aligned with audit expectations, enabling automated compliance checks and cycle-time reduction.
- Collaborated across product, privacy, and legal functions to align AI-assisted workflows with global data policy expectations and user protection principles.

**Senior Manager, Clinical Trial Disclosure – Workflow Automation**
*Arcus Biosciences | Remote*
**Jan 2023 – June 2024**

- Spearheaded enterprise modernization of metadata pipelines by deploying GxP-compliant, cloud-native microservices for clinical data ingestion and validation, reducing audit-related delays by 40%.
- Designed RESTful APIs to synchronize regulatory platforms with operational performance trackers, enablingreal-time visibility into submission and trial milestones.
- Led implementation of Veeva Vault dashboards and Standard Operating Procedures to support structured labeling workflows.
- Partnered with backend and product teams to improve data conventions, reducing manual interventions by 40%.
- Delivered documentation and training for internal users navigating new AI-aligned pipelines.
- Validated rulesets and workflows via stakeholder workshops and live feedback sessions, improving functional acceptance time by 50%.

**Clinical Data Systems, Site Management, Regulatory Operations & Transparency** | *Various Biotech & Pharma Clients*
**2013 – 2022**

- Delivered strategic consulting for clinical data platform modernization, driving SOP development, system migration, and metadata tagging best practices across Veeva Vault modules.
- Supported structured document processing across Veeva, CTIS, and ClinicalTrials.gov.
- Defined annotation schemas and led batch labeling across 100+ patient-facing documents.
- Built dashboards to flag errors, support submission tracking, and enable real-time QA.