

HARISHWA D REDDY

+91-7022277237 | harishwa.com | harishwadreddy@gmail.com | [LinkedIn](#) | [GitHub](#)

SUMMARY

Software engineer ("Keyboard Alchemist") focused on structural logic and end-to-end system orchestration. I thrive on mapping out multi-step automations and building data pipelines for novel use cases, transforming abstract client requirements into highly predictable enterprise software.

EXPERIENCE

Flock Energy

Software Engineer

Remote

May 2026 – Present

- Lead the foundational architecture and schema design for the AuraMobile application and API services, ensuring enterprise-grade data structures.
- Architect secure, compliant user authentication flows and decentralized protocol integrations to maintain strict data privacy and integrity.

VxO Digital

AI Engineer

Bangalore, India

July 2025 – May 2026

- Directed the "Design-to-Launch" pipeline of a real-time enterprise information retrieval system, managing everything from unstructured data indexing to logical generation.
- Engineered sophisticated, multi-step automation tools, including an Elite RFP Parser and custom data extractors, translating operational business needs into automated, structured database entries.
- Collaborated closely with cross-functional teams to deliver a voice-enabled, cross-platform mobile application interacting seamlessly with complex backend logic.

DataCouch

ML Engineer

Chandigarh, India

Nov 2023 – Nov 2024

- Managed the complete product lifecycle from raw data processing, schema mapping, and pipeline configuration to live enterprise monitoring.
- Developed high-accuracy resource forecasting models for proactive operational planning, aligning technical execution with high-level business goals.

PROJECTS

Acadex (ID Management SaaS) | Next.js, Supabase, Ionic, TypeScript

- Architected a complex, multi-tenant SaaS database structure supporting bulk-data ingestion, custom tenant isolation, and real-time data capturing.
- Engineered a dynamic template builder using precise coordinate mapping to serialize UI component states into structured JSON payloads for automated batch rendering.

CAPTIFY | AWS Lambda, SvelteKit, WhisperAI, Python

- Built a serverless web application functioning as an automated post-production assistant, coordinating multi-step processing flows across various language models.
- Configured automated speech-to-text workflows handling simultaneous traffic bursts through a highly scalable, serverless backend architecture.

Axon-Intel | ChromaDB, SQLite, Python, LLMs

- Designed an autonomous data agent that continuously aggregates, filters, and parses data from multiple external developer platforms into customized profiles.
- Implemented a self-improving relational memory system utilizing localized data pre-filtering to minimize operational processing costs.

TECHNICAL SKILLS

Core & DB: SQL, Relational Database Design, Schema Architecture, Python, TypeScript, JavaScript, C++

Frameworks & Platforms: FastAPI, Next.js, SvelteKit, Supabase, ElysiaJS, PostgreSQL

AI & Automation: End-to-End Product Engineering, LLM Orchestration, RAG Architectures, Autonomous Web Agents, Vector Databases

EDUCATION

Bennett University

B.Tech in Computer Science - AI (CGPA: 8.89/10.0)

Greater Noida, India

Sept 2021 – June 2025

National Taiwan University

Semester Exchange Program - Dept. of CSIE

Taipei, Taiwan

Feb 2025 – June 2025