DINESH SRISANTH ADARI

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EDUCATION

B.Tech, Computer Science & Engineering (Honors) · *KL University* Vaddeswaram, AP | 2022 - 2026

- Cumulative GPA: 8.88 / 10.00. Relevant coursework: Blockchain, Cybersecurity, Operating Systems, Data Analysis.
- Teaching Assistant, Blockchain (undergraduate course).

EXPERIENCE

Founder & Sole Engineer · *Cruxy (AI Inference Platform)* Vijayawada, AP | Sep 2025 - Present

- **Built and shipped an entire AI inference platform solo:** one API that routes every request to the right model tier, three tiers in production (Kavi premium, Vaani balanced, Mira sub-400ms), two of them LoRA fine-tuned for 20+ Indic languages.
- **Go inference API** with SSE token streaming, Postgres-backed rate limiting, per-account login lockout, argon2id auth, Google OAuth via PKCE, and sha256 API-key issuance with per-request usage metering.
- **Developer console and web app** (Next.js): API key management, usage analytics dashboards, admin tooling, and Razorpay billing with UPI Autopay recurring mandates, invoice/receipt PDF pipeline, and cancel-at-cycle-end subscriptions.
- **Owned production infrastructure end to end:** Ubuntu VPS, Caddy reverse proxy, systemd services, Cloudflare DNS, and a zero-downtime deploy script with dirty-tree guards, migration bundling, and health checks.
- **Security-hardened the stack:** CI pipelines across three repos, govulncheck-clean Go toolchain, request body size limits, loopback API bind, fail2ban. Referred by the AP IT Minister's office to the Ratan Tata Innovation Hub; non-dilutive grant process underway.

Technologies: *Go · TypeScript · Next.js · React · PostgreSQL · Drizzle · LoRA fine-tuning · Caddy · systemd · Linux*

Founder & CEO · *Mycrux Pvt Ltd* Visakhapatnam, AP | Jan 2025 - Present

- **Founded and incorporated** an AI-powered fashion marketplace (CIN U47912AP2025PTC121345); GSTIN and Udyam MSME registered, currently in pre-seed fundraising with 642 paid waitlist signups.
- **Architected Symmety:** 3D body miniature reconstructed from 3-4 photos, enabling virtual try-on at 91.1% size accuracy; added skin-tone extraction to cut return rates.
- **Built Cruxy Stylist:** an agentic assistant fusing skin tone, live weather forecast, and occasion context into real-time outfit recommendations over a 5,800+ SKU catalog.
- **Engineered Crux Score:** a seller trust engine that detects fake reviews and spec mismatches and enforces tiered penalties, COD removal to delisting to permanent ban, to maintain catalog integrity.
- **Designed the Crux Creds credit economy:** buyers earn and redeem at checkout; sellers redeem for ad impressions and membership discounts.
- **Delivered the full platform** across production subdomains (B2C marketplace, B2B seller dashboard, investor portal, blog) and published a 9,000+ word unit-economics deep-dive and public privacy policy.

Technologies: *Go · Rust · Next.js · React · Tailwind · MongoDB · PostgreSQL · Node.js · Kotlin · Java*

Blockchain Engineer · *Orbii (IIT Client Project)* Remote | Apr 2025 - Jun 2025

- Built blockchain-based payment infrastructure for secure, transparent financial flows; implemented on-chain fraud prevention mechanisms aligned with regulatory compliance requirements.

Technologies: *Solidity · Rust · PHP · MySQL · React*

Blockchain Engineer · *Novotel (Client Project)* Remote | Feb 2025 - Mar 2025

- Designed a payment control system for zero-downtime, high-availability transactions in enterprise hospitality workflows; integrated a blockchain settlement layer into existing infrastructure.

Technologies: *Solidity · Java · Python · MongoDB*

Blockchain Developer · *Mocmax (IIT Startup)* Remote | Dec 2024 - Feb 2025

- Deployed secure smart contracts and improved transaction scalability for a payment-control system, achieving structured on-chain payments with no server downtime.

Technologies: *Solidity · Go · Rust · TypeScript · Node.js*

Technical Lead · *Bmbastha* Vijayawada, AP | May 2024 - Nov 2024

- Led end-to-end development of a grain purchase platform (website, admin portal, Android app) across 3 simultaneous workstreams.

Technologies: *Vue.js · MySQL · Java (Android)*

Advisor & Ex-President · *WebApps Club, KL University* Vaddeswaram, AP | Oct 2022 - Mar 2025

- Led a 1,000+ member community in Web3, full-stack, and mobile development; organized hackathons and workshops and mentored student project teams.

PROJECTS

WebFluid, Crypto Purchase Platform · *Personal* github.com/adsrisanth | Jul 2022 - Feb 2023

- Solidity DApp for purchasing cryptocurrencies with live transaction status tracking and full history; a user-friendly interface over on-chain logic.

Technologies: *Solidity · Web3.js · React · MetaMask*

Secure AI-Powered Phishing Detection System · *Capstone* KL University | 2025 - 2026

- Random Forest classifier over URL and content features, achieving 96.3% detection accuracy on held-out data.

Technologies: *Python · scikit-learn · Pandas*

Surabhi Fest Event Websites · *KL University* KLU | Jan 2024 - Feb 2024

- Independently built 7 event websites for the annual college fest, covering registrations, schedules, and updates across 7 parallel tracks.

Technologies: *Vue.js · Django · Blender*

TECHNICAL SKILLS

Languages: Go · Rust · TypeScript · JavaScript · Python · Kotlin · Java · Solidity · PHP · C/C++
Frontend: React · Next.js · Vue · Nuxt · Tailwind CSS · HTML/CSS
Backend & Infra: Go microservices · Rust engines · Node.js · REST APIs · SSE streaming · PostgreSQL · MongoDB · MySQL · Linux · Caddy · systemd · Cloudflare
AI/ML: LoRA fine-tuning · model routing · inference serving · embeddings & vector search · scikit-learn
Blockchain: Solidity · Smart Contracts · Web3.js · MetaMask · DeFi architecture
Tools: Git · GitHub Actions · Razorpay · Vercel · Aviatrix ACE (Cloud Networking)

RESEARCH & PUBLICATIONS

Enhancing Financial Data Security via Blockchain Cryptocurrencies · *Centralized Journal 23, pp. 10-23* Oct 2022 - May 2024

- Examined vulnerabilities in UPI and traditional bank transaction rails; proposed a decentralized, cryptographically secure alternative demonstrating measurable security and privacy gains over existing infrastructure.

AWARDS & CERTIFICATIONS

1st Place, WebSprint Hackathon (Web3 track) Mar 2023
1st Place, ACIC Technical Incubation Foundation, Certificate of Recognition (Syngynmaxim) Jan 2023
2nd Place, Code For Cause Hackathon Sep 2022
Aviatrix Certified Engineer (ACE), Cloud Networking & Multi-Cloud Infrastructure