

Sk Mastan

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PROFESSIONAL SUMMARY

CS undergrad and AI Engineer at Lumenar (Clutch) with 6 months at Oracle on GraphQL API infrastructure for enterprise payment data. Side projects in distributed systems and payments: payment ledger (Java), rate limiter (Go), Stripe webhook engine (Node.js).

EDUCATION

JNTUH, Hyderabad, India

Sept 2023 – Sept 2026

Bachelor of Technology in Computer Science and Engineering | CGPA: 9.15/10.0

Government Polytechnic, Hyderabad, India

Nov 2020 – May 2023

Diploma in Computer Engineering | CGPA: 9.78/10.0

EXPERIENCE

Lumenar (Clutch) AI Engineer

Jul 2026 – Present

- Building full-stack features for Clutch, an athlete-coach marketplace: coach discovery, sign-in flows, story text layers, profile photos, and account lifecycle, shipped through reviewed PRs and CI.
- Fixed a pricing-upgrade exploit in the billing flow and helped migrate the app to a monolith, with per-feature merge workflows and automated code-review tooling.

Oracle, Hyderabad, India Project Intern, Textura Payment Management / DaaS GraphQL Platform Jan 2026 – Jul 2026

- On Oracle Textura DaaS, built GraphQL validation and query-generation workflows mapping 270+ legacy reporting fields into API contracts, plus schema-introspection assets reused across 22 root APIs and 61 entity types.
- Led performance validation for production-bound GraphQL features, benchmarking 52 nested/subgraph scenarios and request windows up to 10K records to catch timeout, pagination, N+1, and query-complexity regressions.
- Built AI-agent automation for DaaS regression workflows across Jenkins, TestRail, RestAssured, test-data generation, log analysis, and defect triage.

Crimson Innovative Technologies, Hyderabad, India Web Development and Systems Intern

Jun 2022 – Nov 2022

- Developed full-stack React.js/Node.js workflows for internal and customer-facing systems, and managed Linux deployments (SSH access controls, firewall, Bash automation), sustaining 99% uptime.

PROJECTS

E-Commerce Stripe Webhooks Engine [🔗](#) | Node.js, Express, Stripe API

- Built an event-driven Node.js backend that verifies Stripe webhook signatures with `express.raw()` payloads and stripe-signature headers before processing any event.
- Order fulfillment only runs after payment confirmation: an event state machine walks `checkout.session.completed` and `payment_intent.succeeded`, keeping payment acceptance separate from application logic.

Fault-Tolerant Payment Ledger [🔗](#) | Java 21, Spring Boot, JPA/Hibernate

- Built a Spring Boot ledger service for account transfers with idempotency keys, ACID transaction boundaries, strict lock ordering, and optimistic locking to prevent double-spend and race-condition failures.
- Designed Stripe-style retry semantics that return cached responses for duplicate transaction keys, preserving balances across network retries and concurrent transfer attempts.

Distributed API Rate Limiter [🔗](#) | Go, Gin, Redis

- Implemented Redis-backed sliding-window rate limiting middleware with sorted-set timestamps and atomic TxPipeline operations, enabling shared throttling state across distributed API nodes.
- Exposed a Gin-based API guard enforcing a 5-request/10-second per-IP policy with deterministic 429 responses after the configured threshold is exceeded.

TECHNICAL SKILLS

Languages: Java, Go, JavaScript, Python, C++, C#, SQL, Bash

Backend/API: REST APIs, GraphQL, Spring Boot, Express.js, Gin, Redis, PostgreSQL, Docker, Linux, Git

Testing & AI: Jenkins, TestRail, RestAssured, JMeter, regression automation, test coverage, CI/CD, LLMs, LangChain

ACHIEVEMENTS & CERTIFICATIONS

- Runner-Up, HackXcelerate (Sept 2024); Top 5 Coder, Coding Club JNTUH; Team Manager, Data Science Student Club; solved 550+ DSA problems across LeetCode (326+) and GeeksforGeeks (226+).
- Certifications: Linux Foundation LFD103, Postman API Fundamentals, Google AI Essentials, NVIDIA AI for All.