Vardhman Bengani

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Summary

Software engineer and final-year CS student (VIT Chennai, CGPA 9.05): 38 merged open-source PRs, a Redis clone and BPE tokenizer in Go, LLM serving shipped on contract. Awarded INR 30,000 for responsible security disclosure.

Professional Experience

AI Coding Evaluator (Freelance) Nov 2026

DataAnnotation *Remote*

- Authored coding tasks for LLM evaluation, including problem statements, test suites and Docker environments.
- Reviewed and repaired evaluation tasks, fixing graders, reference solutions and requirement coverage.

Software Engineer (Contract) Jul 2026 – Oct 2026

AIPowerGrid: decentralized GPU compute grid | aipowergrid.io *Remote, US*

- Shipped multi-model LLM serving in the worker (merged): setup-wizard roster, dashboard and settings editor.
- Audited 19 org repositories into a whole-system architecture reference; reported 9 root-caused defects.
- Replaced a regex prompt router with an LLM classifier; built 12 game scaffolds on codebase.design.

Software Engineer Intern Jun 2026 – Jul 2026

WeWin Technologies: travel booking (SnappyTrip) *Remote, India*

- Disclosed a critical client-side price-tampering vulnerability in the production booking flow.
- Rebuilt the booking frontend from a legacy Flutter-Web layout into a responsive web-native app.

Open Source Contributions (38 merged PRs)

Reflex, PostHog, Superset, Mastra, Koanf, LaunchDarkly and more Aug 2025 – Present

- **Reflex** (9 merged): CLI validation order and error handling, Redis connection limits, frontend variable fixes.
- **PostHog**: incremental Chargebee sync skipping records; **Superset**: session-cookie buildup, typed dispatch.
- **Koanf**: config half-changed on failed strict merge; **LaunchDarkly**: SDK init hang on Redis error.
- **Mastra**: Inngest hooks; **OpenSpec**: spec-store setup; **Nhost**: SMTP layout; **Monkeytype**: keymap UI.

Projects

Redigo: in-memory key-value store | *Go* | github.com/flcrom/redigo-server June 2026 – Present

- Redis-compatible store in Go over raw TCP: a goroutine per connection, mutex-guarded keyspace.
- Hand-written RESP2 parser/encoder; 12 commands incl. SET/GET+EX/PX, INCR/DECR and full list ops.
- Lists on a custom doubly linked list; O(1) lazy key expiry instead of a background sweeper.

Tokenizer | *Go* | github.com/flcrom/tokenizer Oct 2026

- Built a byte-level BPE tokenizer in Go with UTF-8 encoding and decoding.
- Implemented deterministic merge training, ranked encoding and JSON model persistence.
- Added a 12-stage black-box CLI test harness with staged checks and invalid-input tests.

Prawns | *JavaScript, Redigo* | prawns.flcrom.dev May 2026 – Nov 2026

- Built a k-anonymity password breach checker that sends only a 4-character SHA-1 prefix from the browser.
- Stored 999,992 hashed RockYou entries in prefix lists using Redigo, my Redis clone in Go.
- Self-hosted the API and Redigo on an Android phone behind a Cloudflare Tunnel.

Technical Skills

Programming Languages: Python, Java, Go, C/C++, TypeScript, JavaScript, SQL
Backend & Data: REST APIs, Node.js, Express.js, Next.js, React, PostgreSQL, Redis
AI & Machine Learning: LLM classification, BPE tokenization, multi-model serving
Cloud, Tools & Security: AWS (EC2, ElastiCache), Docker, Git, Linux, Burp Suite, Wireshark

Achievements

- Secured **1st Rank** for the Levitation Subsystem at the **IIT Madras GHC DesignX** as part of Team Dromos.
- Awarded INR 30,000 and received two internship offers for responsibly disclosing critical security vulnerabilities.
- Won **1st Place** in CryptoClash CTF and **2nd Place** in Cyber-0day CTF at VIT Chennai.

Education

Vellore Institute of Technology, Chennai Chennai, India

B.Tech, Computer Science and Engineering: CGPA: 9.05 / 10 *2023 – 2027 (Expected)*