

VIJETA PRIYA

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[LinkedIn](#) | [Codeforces](#) | [Github](#) | [Leetcode](#)

Backend & Distributed Systems Engineer — APIs — Microservices

EDUCATION

National Institute of Technology Agartala

Nov 2022 – June 2026

Bachelor of Technology (Relevant CS coursework performed)

CGPA: 8

EXPERIENCE

GitLab

Sept 2025

Open Source Contributor

Remote

- Fixed a segmentation fault in core authentication logic by adding defensive nil-checks, improving provider stability during token rotation events. [\[MR !2722\]](#)
- Developed the `gitlab_project_artifact` data source in Go, enabling programmatic access to CI/CD artifact metadata in Terraform. [\[MR !2721\]](#)
- Patched a state validation bug preventing import of non-expiring access tokens, restoring compatibility with legacy GitLab API resources. [\[MR !2719\]](#)

Ask Senior [🔗](#)

Aug 2024 – Jan 2025

Mentor

Remote

- Created 50+ video editorials on Bit Manipulation and Interactive problems (Codeforces, LeetCode), improving content engagement and helping learners understand complex algorithms effectively. [🔗](#)

ACHIEVEMENTS

- Ranked **332 AIR** and **1594 World Rank** in *Meta Hacker Cup 2024 Round 1*. [🔗](#)
- Shubra Kar **LiFT (Linux Foundational Training)** Scholar 2025
- **Codeforces Specialist (1423+)** with 100+ solved problems. [🔗](#)
- Published technical articles on Medium demonstrating documentation skills. [🔗](#)
- FFE Scholar (2022–2026)
- Secured competitive ranks:
 - **1663** in Codeforces Round 984 (Div. 3)
 - **2522** in Codeforces Round 1008 (Div. 2)

PROJECTS

Ride-Sharing Microservices Backend — *gRPC/HTTP, Kubernetes, MongoDB, Stripe, Tilt*

[Github](#)

- Designed RESTful APIs and gRPC services behind an API gateway with clear JSON contracts.
- Persisted trip and fare data using MongoDB with geospatial indexing.
- Integrated Stripe (payments) and OSRM (routing) using retries and environment-based configs.
- Event-driven workflows using RabbitMQ with at-least-once delivery and **idempotent consumers**.
- Added observability with OpenTelemetry + Jaeger, structured logs, and graceful shutdowns.
- Containerized and deployed locally on Kubernetes; used Tilt for live development.
- Built a minimal Next.js frontend for API validation and collaboration.

Trading Low Latency System — *C++, Scalable, Modular, OOP*

[Github — Documentation](#)

- Developed a high-performance C++ trading system with scalable and modular architecture, equipped with unit tests, functional tests, and performance telemetry.
- Achieved 2ms latency for 10,000+ trade events using multithreading and shared memory IPC; integrated Spdlog for benchmark logging and validated performance through 15+ unit and end-to-end tests.

TECHNICAL SKILLS

Languages: C++, Go (Golang), Python, SQL, JavaScript/TypeScript, Bash

Core Engineering: System Design (LLD/HLD), Distributed Microservices, Concurrency, Multithreading, OOP, SOLID Principles

Algorithms & Math: Dynamic Programming, Graph Theory, Combinatorics, Discrete Mathematics, Probability

Infrastructure & Tools: Kubernetes, Docker, Terraform, RabbitMQ, gRPC, OpenTelemetry, Jaeger, AWS, GitHub Copilot