

Rohit Gite

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EXPERIENCE

Backend Developer

Dec 2025

ASTheTECH

Remote

- Architected a **multi-tenant MCP Gateway (reverse proxy)** with unified API surface, implementing **multi-provider OAuth2 + static auth**. Designed secure credential lifecycle (**encrypted storage, runtime decryption, header injection**) with **in-memory caching** to reduce DB latency.
- Built a **provider-agnostic OAuth integration layer** (Zapier/n8n-like) handling **auth flows, token exchange, refresh cycles, and scoped access**, ensuring secure token delegation without exposing user credentials.
- Integrated **subscription-based billing** using Razorpay APIs with **webhook-driven state management** (activation, billing, idempotency), enforcing access via credit validation and subscription checks at gateway level.
- Engineered **stateless MCP servers** with per-request isolation and **asymmetric JWT auth**, supported by CI/CD pipelines for Dockerized deployment. Built a **RAG-based context optimization pipeline** to improve LLM workflow generation via selective context injection.

Software Developer Intern

June 2025 – July 2025

SmowCode

Remote

- Built a modular **C-based networking library** providing Wi-Fi and HTTP abstractions over a constrained runtime, with a custom ring buffer for **reliable streaming and flow control**.
- Designed low-level networking abstractions with explicit memory management, buffering, and flow control on resource-constrained embedded systems.
- Integrated library with Smowcode's software, allowing users to **compose networking workflows** by connecting components and flash directly to hardware with **all connection logic handled internally**.

PROJECTS

Institutional Blockchain & RegTech Platform - Citi Bank [\[GitHub\]](#)

Apr 2025 - May 2025

- National Winner** of CCIC 5.0 for developing a blockchain-based banking platform that **streamlined KYC processes, prevented fund misuse, and enhanced auditability**.
- Designed RupeeX, an INR-pegged programmable settlement layer enabling purpose-bound lending and traceable, consent-driven transactions aligned with RBI-compliant architectures.
- Implemented **ZKP-based OneKYC**, reputation passport, and Merkle-backed consent ledger for privacy preserving compliance.
- Tech Stack:** Solidity, React, Node.js, MongoDB, FastAPI, Web3.js, Ganache, ZKPs

Agentic Support-as-a-Service. [\[GitHub\]](#) [\[Website\]](#)

Dec 2025

- Built an Agentic SAAS using Gemini LLM and **Agentic RAG**, enabling **autonomous retrieval and response** planning over knowledge bases via pg-vector, and reducing **80% of context tokens** with accurate response.
- Implemented a **Redis-backed Buffer-and-Flush** write-strategy to manage high-concurrency sessions, decreasing **database I/O overhead** and ensuring faster context retrieval via **batch-embedding** ingestion.
- Developed a **Zero-Trust Security Layer** featuring **Session-based Rate Limiting, Response Parsers** to mitigate jail-breaking and ensure 99% adherence to authoritative domain knowledge.
- Tech Stack:** NestJS, React, PostgreSQL (pg-vector), Redis, Prisma, Gemini AI, LangChain

EDUCATION

Veermata Jijabai Technological Institute

Mumbai

TECHNICAL SKILLS

Languages

TypeScript, Python, SQL

Databases

MongoDB, PostgreSQL, Redis, Qdrant DB

Frameworks/Libraries

NestJS, React.js, NextJS, FastAPI, LangChain, MCP

Tools

GitHub, Docker, GitHub Actions, Kafka, Kubernetes, AWS

COURSES & CERTIFICATIONS

AWS Certified AI Practitioner

Agentic AI Systems & LLM Engineering (100xdev Cohort)

Backend Development with Node.js (freeCodeCamp)

CS50 – Programming with Python (Harvard)

LEADERSHIP & EXTRACURRICULARS

Department Head – Entrepreneurship Club of VJTI

Jan 2023 – Dec 2023

Veermata Jijabai Technological Institute (VJTI), Mumbai

Led student recruitment, managed successful campus events, and facilitated collaboration between club members and faculty advisors.