

Vedang Sai Rath

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Experience

SDE Intern

Nov 2025 – May 2026

KYC2020 India Pvt. Ltd. (B2B SaaS – Compliance/RegTech), Gurugram

- Led **PHP to Next.js migration** of company website; integrated **GraphQL** alongside REST APIs for efficient data fetching, achieving 40% faster page loads and 90+ Lighthouse scores.
- Developed **REST APIs** using Node.js with error handling, caching, and retry mechanisms for reliable frontend-backend communication.
- Built **automated web scraper/crawler** using Java, Selenium, and Playwright; extracted and validated 10,000+ compliance records daily from 50+ live sources with PDF report generation.
- Wrote **Selenium test cases** to validate UI flows across internal platforms (AIQ, DIQ, KYB); caught regressions before releases.
- Wrote **complex SQL queries** (JOINS, CTEs, aggregations, Window Functions) against PostgreSQL for data extraction, reporting, and database health checks.
- Used **Claude Code and Cursor** daily for debugging, writing code, and understanding unfamiliar codebases.
- Collaborated using **Git, Jira, and Slack** in an Agile environment; participated in code reviews and cross-team coordination.

Frontend Developer Intern

Aug 2025 – Nov 2025

CVNT, Remote

- Built production website using **Next.js 14 App Router** with SSR and dynamic OG image generation.
- Created 20+ animated sections using **GSAP** and Framer Motion; maintained 60fps performance across devices.
- Developed **reusable React component library** with Tailwind CSS; improved dev velocity by 35%.

Frontend Developer Intern

May 2025 – Aug 2025

Ideomethod Technologies, Remote

- Built **dashboard modules** using React, Next.js, TypeScript; integrated REST APIs with error handling and caching.
- Refactored 15+ components; reduced API calls by 40% through state optimization and request caching.

Machine Learning Intern

Jul 2024 – Feb 2025

CETPA Infotech Pvt. Ltd., Noida

- Built conversational chatbot using **Python, TensorFlow, NLTK, Flask**; achieved 89% intent classification accuracy.
- Designed database schema (SQLite); wrote SQL queries for data persistence and analytics.

Projects

Regulatory Change Radar | Python, FastAPI, RAG, Vector DB, LLM

[GitHub](#)

System that ingests versioned regulatory/sanctions documents, detects clause-level changes between versions, and answers grounded questions with citations to the exact source, returning "insufficient context" when retrieval confidence is low.

CRO Opportunity Engine | TypeScript, Next.js, OpenRouter API, Cheerio

[GitHub](#)

Scrapes live Shopify store data (stock levels, reviews, descriptions) and uses an LLM to identify and rank conversion optimization opportunities by impact, confidence, and effort.

PySandbox | Python, FastAPI, Docker

[GitHub](#)

Secure Python code execution sandbox with Docker-based isolation, resource limits, timeout handling, and comprehensive test suite for edge cases.

Technical Skills

Languages: TypeScript, JavaScript (ES6+), Python, Java, Golang, SQL, HTML5, CSS3

Frontend: React, Next.js 14 (App Router), Tailwind CSS, Redux, GSAP, Framer Motion, Responsive Design

Backend: Node.js, Express.js, Fastify, FastAPI, REST APIs, GraphQL, gRPC (basics), Redis

Databases: PostgreSQL, MySQL, MongoDB, SQLite

AI/LLM: RAG, Vector Databases, LLM Integration, OpenRouter API, Prompt Engineering

Testing & Automation: Selenium, Playwright, XPath, CSS Selectors, Browser Automation

Tools: Git, GitHub, Docker, Docker Compose, Jira, Slack, Postman, VS Code, Claude Code, Cursor

Education

Guru Gobind Singh Indraprastha University

B.Tech in Electronics & Communication Engineering — CGPA: 8.34/10

New Delhi

2022 – 2026