

VIVEK AGARWAL

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Education

Dayananda Sagar College Of Engineering

Bachelor of Engineering - Electronics and Communication

CGPA: 8.28

Technical Skills

Languages: TypeScript, Go, Rust, Python, HCL

Technologies/Frameworks: React, NextJs, NodeJS, FastAPI, Socket.io, Redux, Agno, Axum

Databases/Tools: PostgreSQL, MongoDB, Firebase, Kafka, NATS

Devops: GitOps, Docker, AWS, GCP, Kubernetes, Terraform, OTEL, Grafana, Loki, Prometheus, Jaeger

Experience

FinalRoundAI

Remote

Infrastructure and AI Engineer

Sept'25 - Present

- Migrated deployment pipelines from **Helm** to **Argo CD (GitOps)**, standardizing declarative delivery across services and improving deployment reliability.
- Operated a **hybrid observability stack** (Datadog + Grafana/Loki/Tempo/Mimir) for production monitoring, tracing, and log aggregation across all services.
- Architected a **distributed multi-agent system** for **Hellyeah AI** using **Agno** for agent orchestration and **LangFuse** for LLM observability and evaluations.
- Built **MCP**-based integrations enabling WhatsApp-driven Google & Meta campaigns end-to-end management.

Aspora (Vance)

Onsite

DevOps Engineer

Apr'25 - Sept'25

- Designed an **Observability setup** for 25+ services using **Grafana, Prometheus, Tempo, Loki, and CloudWatch** — monitoring queues, databases, APM, and logs to detect anomalies, high load, and errors—alerting on-call engineers and service owners to maintain reliability.
- Designed scalable data pipelines including **Airflow**-orchestrated **ETL** workflows to Redshift and implemented a **Debezium**-based **CDC** system for reliable and real-time order processing.
- Contributed to **zero-downtime** service **migrations** and wrote scalable, modular Terraform code with Terragrunt to manage multiple environments, following IaC best practices.

Stealth Fintech Startup

Co-Founder

- Architected an end-to-end **MFT trading platform** for retail Indian markets, balancing performance and reliability.
- Built a low latency (< 50ms) **UDP market feed** using **Rust** and a custom **MCP server** to power AI-driven trading clients with real-time market data, financials, corporate actions, and news.

Soundverse AI

Internship : Remote

Backend and DevOps Engineer

Sept'24 - Mar'25

- Led backend migration from Next.js + MongoDB to **FastAPI + PostgreSQL** to support multiple platforms, scale efficiently, secure business logic and loopholes.
- Implemented **async generations** and **priority-based processing** for different user tiers catering to a rapidly growing base of **385000+ users** and ensure 100% reliability and availability.
- Built **acknowledgment-based socket delivery** using **Redis** and redesigned system architecture with the CTO to enable reliable messaging and seamless **cross-platform scaling**.
- Implemented end-to-end **CI/CD** with **GitHub Actions** and production-grade **monitoring** (Grafana + Prometheus) for Celery workers handling AI traffic via **RabbitMQ**.

Full Stack Engineer

Mar'24 - Aug'24

- Built **real-time collaboration** for AI Studio in **React/Next.js** and developed a **data attribution platform** to track AI model usage for licensed audio, including **SEO-optimized, indexed Song & Profile pages**.
- **Redesigned the platform UI** to improve user experience and collaborated with **Shopflo** for **Sortment** to build end-to-end **marketing campaigns and workflows**.

Achievements

- Invited to the At Home Reception at Rashtrapati Bhavan by the President of India on the 79th Independence Day.
- Winners @ SIH2024 for building a SCADA system for Gas Authority of India Ltd in the world's largest hackathon.
- Winners in 5+ national & international hackathons competing against 100000+ teams cumulatively.