

Abhisek Yadav

LinkedIn: <http://www.linkedin.com/in/abhishekyadav7>

GitHub: <https://github.com/opx0>

Email: akyv2.5@gmail.com

Mobile: +91 9369344917

Skills

Languages: Python, TypeScript, JavaScript, Golang, SQL

Backend: Node.js, Bun, FastAPI, REST APIs, PostgreSQL, Prisma, Inngest, Vercel AI SDK, MCP

Frontend: React, Next.js

Tools: Docker, nginx, GitHub Actions, Linux, Playwright

Experience

Codeflix Labs

Full Stack Developer Intern – Repomind

Remote

Mar' 26 – Aug' 26

- Engineered and operated Repomind, a production coursework and grading platform for a university CSE pilot, spanning backend architecture, PostgreSQL data systems, deployment, and CI/CD.
- Built deterministic project allocation with seeded Gale–Shapley matching so identical inputs reproduce identical assignments; protected concurrent allocations with PostgreSQL Serializable transactions and explicit retry handling.
- Moved grading and GitHub synchronization off the request path into Inngest jobs with separate concurrency lanes, quota-aware throttling, retry budgets, and scheduled execution.
- Treated model output as untrusted input by rejecting nonexistent citations, removing off-rubric criteria, and clamping scores to rubric limits; added provider failover for repository analysis.
- Hardened platform boundaries with RBAC, encrypted GitHub tokens, ClamAV and magic-byte upload validation, and an atomic PostgreSQL rate limiter; backed the system with 774 Vitest and Playwright tests.
- Prevented scale regressions with a seeded 240-student workload and a static invariant check that bans query patterns that pass at demo size but fail at cohort scale.

Projects

CLOSER | TypeScript, WebRTC, WebSockets, PostgreSQL, Drizzle, SSE | [GitHub](#)

Aug' 26 - Present

- Built an interview platform that uses a candidate's resume and code repositories as evidence for generating and evaluating technical interviews.
- Implemented real-time voice sessions with WebRTC and WebSockets, using a versioned action policy to control follow-ups, topic transitions, and difficulty changes.
- Linked resume claims to repository evidence during interviews, with evaluations recording supporting citations or abstaining when sufficient evidence is unavailable.
- Stored questions, answers, and evaluations as append-only events for session replay, while moving evaluation work to a PostgreSQL-backed job queue.

Agent Visa | Python, FastMCP, FastAPI, SQLite | [GitHub](#)

Aug' 26

- Built an access-control layer for AI agents that issues scoped, expiring, and revocable permissions to user data instead of exposing raw credentials.
- Implemented human approval, inspection, and revocation of agent access through a real-time SSE console.
- Added one-hop delegation with subset-only scopes and bounded lifetimes, preventing delegated agents from expanding or re-delegating permissions.
- Made authorization decisions deterministic and auditable with centralized policy functions, atomic revocation, and append-only access receipts.

Certifications & Achievements

Cloud Computing | [NPTEL](#)

Aug' 25

Top 10 of 150+ teams, ByteBash Hackathon at [LPU](#)

Oct' 23

Education

Lovely Professional University

Bachelor of Technology – Computer Science and Engineering; **CGPA: 7.35**

Phagwara, Punjab

Aug' 23 – Jul' 27

Oxford Model Senior Secondary School

Intermediate; **Percentage: 77%**

Kanpur, Uttar Pradesh

Mar' 20 – May' 21

Oxford Model Senior Secondary School

Matriculation; **Percentage: 88%**

Kanpur, Uttar Pradesh

Mar' 18 – May' 19