Abhishek Kokadwar

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Education

Indian Institute of Information Technology (IIIT) Gwalior **Aug 2023 – May 2028**
Integrated Dual Degree in Information Technology | *CGPA: 7.5/10* *Madhya Pradesh, India*

- Coursework: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, DBMS

Work Experience

Full Stack Developer Intern **Jul 2026 – Aug 2026**
HiGigAi | *Next.js, TypeScript, React, Sanity CMS, Cloudinary, Vercel* *Remote*

- Built tridentpublicschool.com: **one Next.js deployment** serves **5 branch sites** on subdomains via middleware routing, so a new branch is content entry, not a new build.
- Built a **Sanity** studio where school staff publish notices, galleries, faculty and admission enquiries themselves, with **ISR** and webhooks so edits go live without a redeploy.
- Cut planned infra cost to **$0/month** by replacing a paid database tier with Sanity forms and **Cloudinary** media.

Software Developer Intern **Jul 2025 – Sep 2025**
Trionix Technologies | *Next.js, TypeScript, PostgreSQL, Supabase, Firebase, Postman* *Remote*

- Built the **VyaparPragati** broadcast admin platform (**6 modules**, **500+ users**): user and group management, announcements and templates, with real-time **Firestore** sync replacing polling.
- Added **OTP** verification with **Firebase Phone Auth** before user deletion, per-group media limits with automatic cleanup, and a **Docker** deployment.
- Shipped **Saaro Creations** e-commerce (storefront, cart, checkout, admin CRUD) on **Supabase** with **Row-Level Security**; removed **N+1 queries**, **halving SSR round-trips**.

Open Source

Kubeflow Organization Member | **Kubeflow & Karmada (CNCF)** | *Go, Kubernetes, Python, TypeScript* **Sep 2026 – Present**

- **16 PRs merged** across Kubeflow **trainer**, **pipelines**, **mcp-server** and **karmada-io/dashboard**, each through maintainer code review.
- **trainer #3960**: fixed TrainJobs left **permanently stuck** when admission read live runtime state but reconciliation used a per-job snapshot.
- **trainer #4088**: fixed a **Go nil-interface panic** that dropped the Failed status; **mcp-server #344**: moved input validation into one shared helper.

Projects

CIDRA – CI Debugging & Repair Agent | *Python, FastAPI, Docker, React* | PyPI | Live | GitHub **Sep 2026 – Present**

- Repairs failing **GitHub Actions** builds; opens a PR only once failing tests go **red to green** in a **Docker** sandbox.
- Ships as a **PyPI** package, GitHub Action and **FastAPI** + **React** dashboard with HMAC-verified webhooks.
- On **40** real bugs: **37**/**40** correct diagnoses, all **16** unfixable cases declined, at a median **$0.017** per run.

MCP Zero-Trust Security Gateway | *Python, FastAPI, Docker, seccomp-bpf* | PyPI **May 2026 – Jun 2026**

- Led a 3-person team: runs each tool an AI agent calls in a locked-down container with only what it declared.
- **84.6%** runtime defence, **100%** containment, **94.3%** of normal calls kept; **647** unit tests.

Presently – Offline-First Attendance PWA | *React, TypeScript, Supabase, PostgreSQL* | Live | GitHub **Aug 2026**

- Built with a teammate: a PWA telling students how many classes they can still miss per subject.
- Offline-first: an **outbox** replays writes on reconnect; Postgres **RLS** rejects bad writes; **53** unit tests.

Technical Skills

Languages: C++, Python, JavaScript, TypeScript, Go, SQL
Frontend & Backend: React, Next.js, Node.js, FastAPI, REST APIs, Tailwind CSS
Databases & Cloud: PostgreSQL, Supabase, Firebase, SQLite, AWS (Lambda, DynamoDB), Vercel
DevOps & Testing: Docker, Kubernetes, GitHub Actions CI, Linux, Git, pytest, Playwright, Postman, Agile/Scrum

Achievements & Leadership

- Solved **1,000+ DSA problems**: **Code360** 4x Monthly Topper, **LeetCode** rating **1724**, **GFG**.
- **Top 2%** in JEE Mains 2023; **Top 5%** in Flipkart Gridlock 2.0 hackathon.
- **Certifications:** KodeKloud **Docker**, **Kubernetes** and **Linux** for Absolute Beginners (Oct 2026).
- **Tech Lead**, Hindi Samiti Club; Robotics Team Lead, Infotsav (**Blazing Wheels** Runner-Up); **Internshala Student Partner**.