

ABHISHEK KOKADWAR

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EDUCATION

Indian Institute of Information Technology (IIITM) Gwalior

B.Tech IT + MBA, 5-Year Dual Degree | CGPA: 7.5/10

2023 – 2028

Gwalior, Madhya Pradesh, India

WORK EXPERIENCE

Junior Developer Intern

Nov 2025 – Jan 2026

Bizzkconnect | [Next.js 16](#), [TypeScript](#), [Firebase](#), [React 19](#), [Tailwind CSS](#), [Vercel](#)

Remote

- Applied sound engineering principles to design, develop, and deploy a business portfolio platform as the **sole engineer**, owning end-to-end architecture, implementation, and production deployment on **Vercel**.
- Shipped **8+ reusable UI components** and authored unit/integration tests for reliability; debugged integration blockers independently while translating stakeholder requirements into working software.

Junior Software Developer

Jul 2025 – Sep 2025

Trionix Technologies | [Next.js](#), [Firebase](#), [PostgreSQL](#), [REST APIs](#), [Row-Level Security](#)

Remote

- Architected the **VyaparPragati** admin platform from scratch across **6 backend modules** serving **500+ users**; engineered real-time bidirectional messaging on **Firestore snapshot subscriptions**, improving reliability over manual polling.
- Designed a normalized **PostgreSQL** schema with full CRUD REST APIs and **Row-Level Security (RLS)** policies enforcing strict multi-tenant isolation for the Saaro Creations e-commerce backend.
- Diagnosed and eliminated **N+1 query patterns** by refactoring PostgreSQL joins, halving database round-trips and improving performance of SSR product routes; upheld quality via peer reviews.

PROJECTS

[MCP Zero-Trust Security Gateway](#) | [Python](#), [FastAPI](#), [Docker](#), [SQLite](#), [React](#), [Tailwind CSS](#)

- Designed a **6-layer (L1–L6)** zero-trust security gateway mediating LLM agents and MCP tool servers, mapping defenses to **8 OWASP MCP Top 10** threat categories via manifest inspection, Docker sandbox profiling (**seccomp/strace**), and capability verification.
- Built a runtime proxy enforcing least-privilege policy across **5 tested MCP servers**, streaming audit verdicts to an observability dashboard; authored DESIGN.md, THREAT_MODEL.md, CONTRACTS.md.

[AyuSynapse – Clinical Trial Matching Pipeline](#) | [Python](#), [BioBERT](#), [LangChain](#), [ChromaDB](#), [FHIR](#), [RAG](#)

- Built an AI-integrated clinical-trial matching pipeline: parsed **FHIR EMRs**, extracted medical entities via fine-tuned **BioBERT NER**, and indexed embeddings in **ChromaDB** for semantic retrieval over trial eligibility criteria.
- Orchestrated a **Retrieval-Augmented Generation (RAG)** workflow with **LangChain** for downstream filtering and candidate ranking — delivered solo at a Healthcare AI Hackathon.

TECHNICAL SKILLS

Languages: C++, Java, Python, JavaScript, SQL

AI/ML: RAG, LangChain, HuggingFace Transformers, BioBERT

Tools and Frameworks: Git, GitHub, Docker, Vercel, React, Next.js, TypeScript, Tailwind CSS, VS Code, Figma

Databases and Platforms: PostgreSQL, Firebase Firestore, MongoDB, ChromaDB, REST APIs, Row-Level Security (RLS)

Cloud Exposure: Vercel, AWS (fundamentals)

Relevant Coursework: OOP, OS, CN, DBMS, DSA

ACHIEVEMENTS

- 1,000+ DSA problems** solved across **Naukri Code360**, **LeetCode** (Top 17%, Rating 1612), and **GeeksforGeeks**.
- Two-time **Monthly Topper** on **Naukri Code360**.
- Top 5%** (Rank 1,600 of 34,600) in **Flipkart Gridlock Hackathon 2.0**.
- Top 2%** among **1.1M+ candidates** in **JEE Mains 2023**.
- Runner-Up, Blazing Wheels** — Infotsav Fest, IIITM Gwalior.
- Published an inference model on **HuggingFace Hub**; active **GSSoC** and open-source contributor in AI/ML.

POSITION OF RESPONSIBILITY

- Tech Lead, Hindi Samiti Club, IIITM Gwalior** — promoting Hindi language and literature; led the **Robotics Team** at Infotsav, the institute's annual technical fest.
- Internshala Student Partner**; Member, **Student Gyan Movement (SGM)** — a community education initiative at IIITM Gwalior.