

RONIT RAJ

[Portfolio](#)[LinkedIn](#)dev.ronitraj@gmail.com[Github](#)[Devfolio](#)

EDUCATION

Indian Institute of Information Technology and Management, Gwalior

Bachelor of Technology in Mathematics And Scientific Computing — CGPA: 8.44

Aug 2023 – May 2027

Gwalior, Madhya Pradesh

EXPERIENCE

Garudex Labs

Co-Founder

Nov 2024 – Present

Gwalior, MP

- **ZentoroAI**: Architecting an AI-powered SaaS platform to enhance **productivity, financial planning** for early-stage **startups and founders**.
- Engineered scalable systems with full-stack + AI tooling; developed **TORO AI agent** to unify community, productivity via intelligent automation.
- garudexlabs.com — Company website.

Ionia

Full-Stack Developer

Jan 2025 – March 2025

Remote

- Developed a **scalable full-stack platform** for competitive exam prep (e.g., **CUET**) with user auth, test series, question bank, analytics dashboard currently used by **50+ students**.
- Implemented an **admin panel** with role-based access, reducing test management time by **30%**.
- Boosted analytics performance by **2×** using **MongoDB Aggregation**, and streamlined image storage via Cloudinary.
- ionia.sbs — Live platform link.

PATENT

Indian Application No: 202521020743

SSR Ref. 402645 (Author)

March 07, 25

A MULTI-MODAL SURVEILLANCE SYSTEM

PROJECTS

Tactical and Strategical Military System | *Next.js, Tailwind CSS, FastAPI, PyTorch, Redis*

Sept 2024 - Dec 2024

- Designed a **scalable Multi-Modal LLM** system (**79% VQA accuracy**) with **RAG** for contextual media reasoning (images, videos, PDFs), optimized for low-memory (8GB RAM) deployment.
- Created a secure, full-stack AI chatbot for military use with auth, media support, and a responsive Next.js UI, optimizing **latency by 40%** via **Redis caching** and FastAPI.

GeneTrust – AI-Powered Gene Predictor | *Next.js, TypeScript, Express.js, FastAPI, GCP*

Apr 2025

- Built **GeneTrust**, an AI-powered CRISPR platform using Next.js, FastAPI, Express.js, **DNABERT**, and **IoT**, enhancing gene editing precision and reliability.
- Integrated **blockchain (Base)** for secure on-chain data provenance, improving data integrity.
- Set up CI/CD pipelines on **GCP and Vercel**, cutting deployment time to **3 minutes** and latency by **20%**.

TECHNOLOGIES

Programming Languages: JavaScript, TypeScript, Python, SQL, C, C++, HTML5, CSS3

Web Technologies: React.js, Next.js, Node.js, Express.js, FastAPI, Tailwind CSS

Databases: PostgreSQL, MongoDB, MySQL, Faiss vector DB, Pinecone

Artificial Intelligence: Machine Learning, NLP, Deep Learning, Computer Vision, LangChain, Retrieval-Augmented Generation (RAG), PyTorch, TensorFlow, LLMs, GANs, GNNs, Fine Tuning, PyG, Pandas, Numpy, Scikit-learn

Tools & Platforms: Git, GitHub, Docker, Redis, GCP, AWS, Azure, GitHub Actions, CI/CD, Linux, Postman

ACHIEVEMENTS

- 1st Prize Winner, **HACKHAZARDS '25** — Selected from **15,000+** participants across **15+ countries** in the world's largest community-run hackathon. [Project Link](#)
- Special Winner, **Smart India Hackathon 2024**. [Certificate Link](#)
- Winner, **IDE 2025** (Garudex Labs) — Certificate. [Certificate Link](#)
- Multiple top team finishes in **3x Hackathons** including ISRO, MEESHO, and 5G Hackathons (2023, 2024).

EXTRACURRICULAR

- Founded **The Enigma Society**; organized **5+ technical workshops/events** and mentored **200+ students** in hands-on sessions and tech talks.
- **Event Lead** at Robotics events during **Infotsav**, IIITM Gwalior's tech fest; led **20+ volunteers** and managed participation from 30+ students.