

Himanshu Rai

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Bengaluru, Karnataka, India

EXPERIENCE

- **Technical Workshop Lead** August 2024 – Present
Student Mentor & Instructor *SIT, Bengaluru*
 - **Leadership:** Mentored 50+ students across cohorts, resulting in 10+ deployed full-stack projects
 - **Curriculum Development:** Designed learning paths covering full-stack development, DevOps
- **Freelance Full Stack Developer** July 2024 – Present
Independent Contractor *Remote*
 - **Voltstream:** Developing full-stack live streaming platform with Twitch/Instagram features using React, Node.js, WebRTC, and AWS; integrated payment processing, real-time chat, content sharing, and scalable cloud infrastructure

PROJECTS

- **Jellinote AI** [<https://project0-nu.vercel.app>] AI-Powered Study Platform
Next.js, React, PostgreSQL, Prisma, Pinecone, Clerk
 - **Built & Deployed:** Full-stack AI study platform processing PDF/audio/video content into notes, flashcards, quizzes, mind maps, podcasts, and structured courses using Google Gemini and OpenAI; implemented vector-based semantic search, Dodo Payments subscription system, and multi-language translation support
- **Sonex** [github.com/himanshuraimau/Sonex-frontend] AI Audio Generation Platform
Next.js, PyTorch, Docker, AWS S3, FastAPI
 - **Built & Deployed:** Self-hosted AI audio platform with 3 custom models (StyleTTS2, Seed-VC, Make-An-Audio) for text-to-speech, voice conversion, and audio generation using scalable microservices with Docker containers
- **Uply** [github.com/himanshuraimau/Uply] Distributed Website Monitoring Platform
Next.js, Express.js, PostgreSQL, Redis, Docker
 - **Developed:** Distributed monitoring platform with monorepo architecture, real-time notifications, and automated uptime checks
 - **Implemented:** Redis-based job streaming, PostgreSQL with Prisma ORM, and Docker containerization for scalable deployment across multiple environments
- **Drift** [github.com/himanshuraimau/drift] Distributed P2P File System
Go, Docker, TCP/IP, AES-256 Encryption
 - **Engineered:** Fault-tolerant P2P file system with custom TCP protocol, SHA1 content-addressable storage, and AES-256 encryption across 3+ node mesh network

CODING PROFILES

leetcode.com/u/himanshuraimau9 (1489) | geeksforgeeks.org/user/himanshuagcd (284) |
codeforces.com/profile/himanshuraimau (949)

TECHNICAL SKILLS

- **Languages:** C++, JavaScript/TypeScript, Java, Python, Go, C
- **Web Technologies:** React, Next.js, Nuxt.js, Node.js, Express, Tailwind CSS, Nginx
- **DevOps & Tools:** Docker, Git, Linux, AWS, CI/CD, Kubernetes
- **AI/ML:** LangChain, OpenAI, PyTorch, Scikit-learn, CrewAI
- **Databases:** MongoDB, PostgreSQL, Prisma, Redis, ChromaDB

EDUCATION

- **Siddaganga Institute of Technology** 2023 – 2027
B.Tech in Artificial Intelligence and Data Science — CGPA: 8.76 *Bengaluru, India*
 - **Coursework:** DBMS, Operating Systems, Computer Networking, Computer Architecture, DSA

ACHIEVEMENTS

- **Hackathons:** Rank 288/10,000+ teams in Amazon ML Challenge 2025; Winner at SideTripAI (Solo) and WrapSpeed Hackathon 2025 – AWS Startup Track Winner; 2nd Prize at Browse Hyperthon; Top 5 finishes in 2 hackathons, 8+ participations
- **Leadership:** Hosted hackathon for AI Brewery club, conducted Gen AI workshop for 40+ participants
- **Content Creation:** Active technical blogger on enghimanshu.space and aiengineeringlog.vercel.app; content shared across LinkedIn, Twitter, and developer communities