

Lokesh Kumar A R

AI Product Engineer | Full-Stack Systems Builder

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Executive Summary

Final-year B.Tech CSE student (**CGPA 9.61**, Hindustan University) alongside B.S. Data Science at **IIT Madras**. Builds and ships full-stack production systems end-to-end. Core stack: **Python, Next.js, FastAPI, Node.js, Docker, PostgreSQL, Azure, GCP**; experienced integrating LLMs and AI pipelines into real products. Won **Best Project Award** at Gyan Disha '26 Expo.

Education

Indian Institute of Technology (IIT) Madras Jan 2025 – Dec 2027
Bachelor of Science – Data Science and Applications Online Program
• **Specializations:** Machine Learning, Deep Learning, Computer Vision, LLMs, AI Engineering, Data Structures & Algorithms
Hindustan Institute of Technology and Science (HITS) July 2023 – May 2027
Bachelor of Technology – Computer Science Engineering Chennai
• **CGPA: 9.61/10** | Pinnacle Performer of the Year Award (2025) | Excellence in Academia Award (2025, 2026)

Professional Experience

AI Product Engineer Jul 2025 – Apr 2026
Imitate Labs (Startup Incubated at HITS, BRIIC) imitatelabs.ai Chennai · Onsite
• Built full-stack **AI Video Editor** end-to-end using **FastAPI, Next.js, and Docker**; engineered an LLM/RAG pipeline over **100+ videos** and **300+ transcripts** to automate cuts, b-rolls, and captions; also contributed to **AI video agents**.
• Built **CMOS**, an internal ops platform in **Next.js and TypeScript**, adopted by **10+ cross-functional team members** for daily task management, KPI tracking, and hiring workflows; helped manage team operations and org structure.
AI R&D and Project Lead May 2025 – Jul 2025
Hindustan Institute of Technology and Science Chennai · Onsite
• Led university-funded **QritIQ** under the **Research Director** — AI self-introduction evaluator; directed the team, owned all full-stack architecture decisions, and tested live directly with students
• **OpenAI Whisper + Ollama + Mistral/Llama** pipeline (Python/FastAPI/Docker): **95% transcription accuracy, 66% reduction in evaluation time** across 800+ students; structured feedback was collected per session
AI with Python Intern Oct 2024 – Nov 2024
COTHON Solutions Remote
• Built **Face Recognition Attendance Web App** (CNN/Python) and developed GenAI/NLP prototypes (text classification, automation) using **Scikit-learn**; gained Git/GitHub version control experience

Projects & Shipped Products

Tunear Studio – AI Audio Mastering SaaS tunear-studio.vercel.app
Next.js, FastAPI, Celery, Redis, Azure, Supabase, Docker
• Solo end-to-end build: FastAPI + Celery + Redis backend, Next.js frontend, Azure Blob, Supabase DB, Docker — full ownership from architecture to deployment; **masters a track in under 30 seconds**
CertiProof – Blockchain Certificate Issuance & Verification certiproof-eta.vercel.app
TypeScript, Blockchain, Vercel
• **First Prize & Best Project Award** – Gyan Disha '26 Expo; tamper-proof certificate issuance and on-chain verification system achieving **<2s verification time** and **100% tamper detection rate**, fully deployed on Vercel

Technical Skills

Frontend: Next.js, React, TypeScript, Tailwind CSS, shadcn/ui
Backend & APIs: FastAPI, Node.js, Celery, Redis, REST APIs, WebSockets, SQLAlchemy, PostgreSQL, Supabase
DevOps & Cloud: Docker, CI/CD, Git/GitHub, Linux, Vercel, Azure, GCP, Oracle OCI
AI/ML & GenAI: LLMs, RAG, OpenAI Whisper, Ollama, Azure OpenAI, Prompt Engineering, Agentic AI
Programming: Python (Advanced), JavaScript, TypeScript, SQL, HTML/CSS, C/C++

Achievements & Certifications

Awards: **First Prize & Best Project Award** – Gyan Disha '26 Expo (**CertiProof**) | **Winner – AI Genesis Innothon 2025** (20+ institutions) | **Excellence in Academia Award** (2025 & 2026) | **Pinnacle Performer of the Year** (Sep 2025) – Hindustan University
Leadership: AI/ML Lead – BSP Club, HITS | Head of Technical Solutions – IET Student Chapter, HITS
Certifications: OCI 2025 Certified AI Foundations Associate & Data Science Professional (Oracle) (Oct 2025) | Docker Foundations Professional (Jun 2025) | GitHub Foundations (Dec 2024) | Google Data Analytics – Coursera (Sep 2023) | [in Verify](https://www.linkedin.com/verify)