DHINESH THIYAGARAJAN

(+91) 843-111-4223 | kiyomedhinesh@gmail.com

Portfolio | LinkedIn | Github | Leetcode

PROFESSIONAL SUMMARY

Results-driven Computer Science student with proven team leadership and hands-on experience in various languages and is Eager to apply strong technical, analytical, and multilingual skills to challenging jobs.

EDUCATION

Dayananda Sagar University   Bengaluru, India
Bachelor of Technology, Computer Science Engineering   *09/2023 – 06/2027*

TECHNICAL SKILLS

- **Programming Languages**: C++, Java, Python, SQL, HTML, CSS, Godot Engine
- **Scripting:** Linux Bash Scripting, Shell Scripting
- **Databases:** MySQL, PostgreSQL, Database Management
- **Operating Systems:** Linux (Ubuntu/CentOS), Windows, macOS
- **Data & AI:** Microsoft Power BI, RapidMiner, RAG (Retrieval-Augmented Generation), Excel Machine Learning, Computer Vision, Deep Learning Algorithms, TensorFlow,Image Processing, Flume

PROJECTS

Interview Audio Transcript & Summarization App   GitHub
Technologies: Next.js, TypeScript, Spring Boot (Java), Python (Whisper/Llama), Tailwind CSS, H2 Database
- Built a fully offline AI-powered audio & video transcription and summarization web app with local Whisper speech-to-text and Llama 3.2 summarization pipelines.
- Engineered seamless end-to-end integration between Next.js frontend and Spring Boot backend for efficient uploads, transcript display, and summary/key-point extraction.
- Developed for privacy-first local AI inference, processing all transcription and summarization fully on device without requiring internet access.

Personal Portfolio Website   Live Link | GitHub
Technologies: React, Tailwind CSS, Vercel
- Architected a high-performance personal portfolio to showcase technical identity and project repository.
- Implemented responsive design principles ensuring seamless UI/UX across mobile, tablet, and desktop devices.
- Optimized deployment workflows using Vercel for continuous integration and hosting.

Formula One 2024 Database   GitHub
Technologies: PostgreSQL, Node.js, Express, HTML/CSS, JavaScript
- Developed a robust dynamic database system to track, manage, and visualize the Formula One 2024 season data.
- Designed complex relational schemas in PostgreSQL to handle driver stats, team standings, and race results.

EXPERIENCE

Hindustan Aeronautics Limited (HAL) | *Product Developer Intern*
Bengaluru, India   *January 2026*
- **Executed** the full SDLC within an Agile environment, translating complex user requirements into scalable system architecture and robust deployment pipelines.
- **Implemented** LLM-based architecture like **OpenAI Whisper and Google Gemini 2.5** using Python and **PyTorch** ensuring code modularity and strict adherence to safety-critical protocols
- **Resolved** critical hardware-software integration bottlenecks, resulting in an increase in system processing speed and operational stability.
- **Optimized** product features during design reviews, successfully aligning engineering deliverables with manufacturing constraints to prevent downstream production delays.

Used **Soft Skills** like Problem Solving, Team Leadership, Technical Communication, Hardware Expertise, Collaboration, Continuous Learning.

Game Development Lead | *Paid Game Dev intern*
Bengaluru, India   *January 2026*
- **Led** a small development team using **Godot engine** to build a 2D Top-down game for my college as a client.
- **Engineered** and **Designed** a navigable digital twin of the college campus for **DSU International Affairs**, translating real-world layouts into an interactive 2D experience.

- Acted as the primary **liaison** between **College higher authorities** and the **Development team**, presenting updates, managing feedback, and ensuring aligned project delivery.

CERTIFICATIONS & TRAINING

- **Technical Fundamentals:** Completed Infosys certifications in Computer Fundamentals, Computer Networks, Network Management, Microsoft Power BI and Data Visualization for Business Professionals
- **AWS Certified:** Cloud computing fundamentals and core **AWS** services.
- **Linux & Scripting:** Certified in Linux Administration, Bash scripting, and shell programming (Infosys, TechA).