

DHINESH THIYAGARAJAN

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[Portfolio](#) | [LinkedIn](#) | [Github](#) | [Leetcode](#)

PROFESSIONAL SUMMARY

Results-driven Computer Science student with proven team leadership and hands-on experience in custom PC assembly, C++/Java/Python development, SQL database queries, and Linux system administration. Eager to apply strong technical, analytical, and multilingual skills to challenging jobs.

EDUCATION

Dayananda Sagar University

Bachelor of Technology, Computer Science Engineering

Bengaluru, India

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

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).