

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
- 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
- Hardware:** Custom PC Assembly, System Optimization, Hardware Troubleshooting
- Tools & Software:** Microsoft Office (Excel, PowerPoint), Bloomberg Terminal
- Engineering Concepts:** Design for Test (DFT), Design for Manufacturing (DFM)

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
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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.

• Built a functional front-end interface to query and display real-time sports analytics

EXPERIENCE

Hindustan Aeronautics Limited (HAL) | Product Developer Intern

Bengaluru, India January 2026

- Executed the full SDLC within an Agile environment, translating user requirements into a deployment pipeline that **reduced release cycle time by 6 hours**.
- 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.

CERTIFICATIONS & TRAINING

- Technical Fundamentals:** Completed Infosys certifications in Computer Fundamentals, Computer Networks, and Network Management.
- Linux & Scripting:** Certified in Linux Administration, Bash scripting, and shell programming (Infosys, TechA).
- Problem Solving:** Verified C++ and Java proficiency through HackerRank problem-solving challenges.
- Data Science:** Pursuing Microsoft Power BI Certification; completed training in Data Visualization for Business Professionals