

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 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 <i>Bachelor of Technology, Computer Science Engineering</i>	Bengaluru, India 09/2023 – 06/2027
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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 <i>Technologies: React, Tailwind CSS, Vercel</i>	Live Link GitHub
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- 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 <i>Technologies: PostgreSQL, Node.js, Express, HTML/CSS, JavaScript</i>	GitHub
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- 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) <i>Product Developer Intern</i> Bengaluru, India	January 2026
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- 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