

DARSHAN GOWDA G L

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📁 Portfolio

PROFESSIONAL SUMMARY

Innovative software engineer specializing in full-stack development and applied machine learning. Skilled in designing and deploying scalable, AI-driven applications with strong emphasis on performance, usability and data-driven insights. Solid foundation in computer science fundamentals including data structures and algorithms.

SKILLS

- ❖ **Languages :** C++ , Python, HTML, CSS, JavaScript, SQL.
- ❖ **Frameworks/Libraries :** React.js, Node.js, Next.js, Tailwind CSS.
- ❖ **Databases/Tools :** MongoDB, PostgreSQL, Git, GitHub, Docker, Postman.
- ❖ **Concepts & Platforms :** Data Structures & Algorithms, Object Oriented Programming, Operating Systems, Computer Networks, Database Management System, Cloud & Container Technologies.
- ❖ **Soft Skills :** Effective Communication, Collaboration, Teamwork, Multilingual proficiency.

EDUCATION

- ❖ **Bachelor of Technology in Computer Science and Engineering** [Expected 2026]
PES University, Bangalore | Specialization in Machine Intelligence and Data Science (MIDS) CGPA : 7.63
- ❖ **XII - Pre University College (PUC)** [June 2020 - May 2022]
Sri Sathagiri PU College, Tumakuru Boards : 88.7%
- ❖ **X - Secondary School Leaving Certificate (SSLC)** [June 2018 - May 2020]
G H S Gangonahalli, Magadi, Bengaluru South District Boards : 99%

PROJECTS

- ❖ **MockMate - Interviews In Your Pocket** | *Next.js, Vapi Workflows, Google Gemini, Tailwind CSS, Node.js, Firebase*
 - Developed MockMate, a Next.js application for mock interview preparation integrating Vapi Workflows with Google Gemini for AI-powered, real-time interview simulations.
 - Designed dynamic interview sessions with Firebase authentication and Node.js backend ensuring secure and seamless user interaction
- ❖ **LiveArena - Intelligent Commentary, Instant Action** | *Python, OpenCV, YOLOv8, PaddleOCR*.
 - Engineered an AI-driven system that generates real-time cricket commentary by analyzing live video frames, player emotions and historical match data.
 - Integrated YOLOv8 for player and ball detection, PaddleOCR for on-screen text recognition and generative AI models to deliver dynamic, context-aware sports narration mimicking professional broadcasters.
- ❖ **Sommaire - AI-Powered PDF Summarization Tool** | *Next.js, TypeScript, Tailwind CSS, PostgreSQL, Google Gemini*.
 - Engineered a web application that analyzes PDF documents and generates concise, human-readable summaries using AI.
 - Implemented file upload, real-time processing and modern UI components. Enhanced content accessibility by reducing reading time by over 60% with intelligent formatting, error handling and scalable architecture for future API integrations.
 - Integrated PostgreSQL for persistent storage of user documents and summaries ensuring reliability and scalability.
- ❖ **WanderLust - An Airbnb Inspired Web Application** | *HTML, Bootstrap, JavaScript, Express, Node.js, MongoDB, EJS*
 - Architected a travel-based web application with user authentication and user generated content increasing user engagement by 25%. Features interactive maps and rich UI using EJS featuring with appropriate error messages and routing and with real-time location services.
 - Implemented MongoDB based CRUD operations for listings and reviews enabling robust data management and improved user experience.

ACHIEVEMENTS

- ❖ Secured a top position in the AuraFlix Hackathon with InfluencerIQ, an AI-powered ranking solution.
- ❖ Engineered a Grad-CAM deep learning model for Esophageal cancer detection in the Heal-o-Code 2.0 Hackathon.

CERTIFICATIONS

- ❖ Machine Learning A-Z : Python – Udemy
- ❖ Data Structures and Algorithms - Apna College
- ❖ Full Stack Development - Apna College