Madhusudhan Gowda H G

LinkedIn | GitHub | madhusudhanhg31@gmail.com | LeetCode | Portfolio

CAREER OBJECTIVE

An enthusiastic and driven Computer Science student seeking a challenging role as a Software or Web Developer. Eager to leverage expertise in web development, problem-solving, and teamwork within Agile environments. Passionate about building scalable, cloud-integrated solutions through continuous learning and collaboration.

EDUCATION

CMR Institute of Technology   Bengaluru, India
Bachelor of Engineering in Computer Science and Engineering (CGPA: 7.68)   *2022 – 2026 (Pursuing)*

TECHNICAL SKILLS

Programming Languages: Python, JavaScript,
Web Technologies & Frameworks: HTML, CSS, Django,
Databases: MySQL, SQLite
Cloud Platform: AWS - Basic
DevOps & Tools: Linux, Git, GitHub, VS Code
Core CS Concepts: DSA, OOPs, CN, OS, DBMS, SEPM

PROJECTS

AIML-Based Roadmap Generator for Skill Development | *Django, Streamlit, ML, LLM, RAG* *View Live*
- Developed an AI-driven platform generating personalized skill roadmaps using Large Language Models and Retrieval-Augmented Generation.
- Implemented chat-based learning, adaptive recommendations, and milestone-based roadmap tracking.
- Achieved 80% roadmap accuracy and reduced learning path discovery time by 65%.
- Deployed on PythonAnywhere and followed Agile sprint-based development practices.

Dormitory Management System | *Django, HTML, CSS, JavaScript, SQLite*   *View Live*
- Built a hostel management platform automating room allocation, visitor tracking, and student communication.
- Integrated chatbot, meal scheduling, and admin dashboards for insights and reporting.
- Improved administrative efficiency by 40% through automation.

Dairy Management System | *Python, JavaScript, CustomTkinter*
- Developed a centralized system for citizen issue reporting and real-time monitoring.
- Implemented MySQL-backed CRUD operations, date-wise filtering, search, and member-wise reporting.
- Designed a modern frameless GUI using CustomTkinter with background images and custom window control.
- Integrated admin management and email notifications with smooth modular navigation and seamless window transitions.

Nandini E-commerce website | *Python, JavaScript, HTML,CSS*
- Developed a responsive Nandini Dairy Products website using HTML, CSS, and JavaScript to showcase products with category-wise display and user-friendly navigation..
- Implemented multi-language support (English Kannada) and a dynamic search feature to improve accessibility and customer experience..
- Added order placement and confirmation workflow with client-side validation and success notifications, enhancing user engagement..

ACHIEVEMENTS

- Selected among Top 10 Teams in IGNITEX 2025 for innovative AI-based solutions.
- Secured 2nd place in KGF Kannada Competition at Cultura 2024.

CO-CURRICULAR ACTIVITIES

- Certified in Python and Django Web Development (Udemy).
- Completed JavaScript
- Participated in national-level hackathon IGNITEX 2025.
- Active member of Samskruthi Kannada Club.