PENUKONDA DHILEEP KUMAR

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LinkedIn: https://www.linkedin.com/in/penukonda-dhileep-kumar-9a88ab374

GitHub:

Backend : https://github.com/dileepkumarvenkappa18/temple-management-backend

Frontend : https://github.com/dileepkumarvenkappa18/tms-frontend

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Objective:

Full-stack developer with a strong foundation in electronics and hands-on experience in building scalable end-to-end web applications using Golang, PostgreSQL, Vue.js, and Tailwind CSS. Skilled in backend architecture, RESTful API development, database design, and creating responsive, modern user interfaces. Strong understanding of Data Structures and Algorithms (DSA), along with solid skills in Python, JavaScript, and SQL. Seeking a full-time developer role to contribute to impactful projects and grow in a dynamic tech environment.

Technical Skills:

Programming Languages: Python, C, JavaScript, Golang
Web Technologies: Vue.js, ReactJS, Tailwind CSS
Databases: PostgreSQL , SQL

Backend & APIs: RESTful APIs, Backend Architecture
Tools & IDEs: Git, Docker, Linux, Arduino IDE, MATLAB, VS Code
Core Computer Science: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP)
Operating Systems: Windows, Linux

Education:

B.E. - Electronics & Communication Engineering
Akshaya Institute of Technology, Tumakuru (VTU)
CGPA: 7.99 | Graduation: 2025

Class 12

Narayana Junior College, Hindupur
CGPA: 74.70 | Year: 2021

Class 10

SVR EM High School, Hindupur
CGPA: 8.5 | Year: 2019

Projects:

Project Title : Temple Management System (TMS)
Tech Stack: Golang, PostgreSQL, Vue.js, Tailwind CSS, Docker, REST APIs, Git
Description:
Worked as a Web Developer Intern on a client-based Temple Management System designed for real-time handling of devotee registrations, booking management, vendor coordination, and dashboard analytics. Contributed to both frontend and backend modules following professional software development practices.
Key Responsibilities:
- Developed responsive UI components using Vue.js and Tailwind CSS for the client's live portal
- Integrated and tested backend REST APIs built in Golang
- Designed and updated PostgreSQL database schemas
- Implemented workflows for devotee portal, entity overview, and admin management

- Containerized backend services using Docker
- Collaborated with the team using Git version control, handling branches and PRs
- Participated in debugging, code reviews, and deploying updated modules

Outcome:
Delivered production-ready modules for a real client project, gaining hands-on experience in full-stack development, backend architecture, and modern frontend design.

Project Title: Smart Animal Feeder for Wildlife
Description: Developed an IoT-based automated feeding system for wildlife conservation using Arduino, ESP32-CAM, load cells, ultrasonic sensors, and servo motors. Integrated Telegram bot for remote monitoring and control.
Outcome: Automated food dispensing based on animal weight and behavior; enhanced skills in IoT, sensor integration, and cloud communication.

Project Title: Image Edge-Preserving Filtering
Description: Implemented advanced image processing techniques to enhance and preserve edges while reducing noise using Python and OpenCV.
Outcome: Improved understanding of digital image processing and filtering algorithms.

Project Title: ECO Warrior Project
Description: Created an environmental monitoring and awareness solution focusing on pollution control and eco-friendly practices using IoT and data analytics.
Outcome: Promoted environmental awareness and learned real-time environmental data collection and visualization.

Project Title: Metro Track Shield
Description: Designed a safety and monitoring system for metro tracks using sensors and IoT technology to detect obstacles or faults and send real-time alerts to the control center.
Outcome: Enhanced metro safety measures and gained experience in IoT-based alert and detection systems.

Experience (Optional):
Web Developer Intern — Temple Management System
May 2025 – November 2025
- Developed and styled frontend components using Vue.js and Tailwind CSS
- Integrated backend Golang REST APIs into client-facing features
- Contributed to modules such as the devotee portal, dashboard analytics, and entity overview
- Used Docker for backend containerization and Git for version control
- Participated in debugging, code reviews, and improving user workflows
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AWARDS & CERTIFICATIONS
- 3rd Place - ECO Warrior Contest
- Certificate of Appreciation - SSIT Arduinothon 2024
- 2nd Place - Metro Track Shield Project, Mysore College.

LANGUAGES
Telugu: Native | **English:** Proficient | **Kannada:** Intermediate

LINKS :