

UJWAL H M

Engineer

Contact

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Karnataka, India

[Website](#)

About

Passionate software developer with a strong foundation in building scalable, efficient applications. Quick learner, clean coder, and team player focused on delivering elegant tech solutions.

Skills

Python

Java

C

C++

SQL

Data Structures & Algorithms

HTML5

Git

MATLAB

JavaScript

Projects

FOOTPRINTS TO FUTURE-A BOLD PATH IN CARBON NEUTRALITY

App and a website for monitoring carbon emission in vehicles:

Developed a cross-platform app and website to monitor vehicle carbon emissions in real-time, promoting eco-conscious driving. Integrated data analytics and emission tracking to empower users with actionable insights toward carbon neutrality.

Enhanced Object detection for blinds with haptic feedbacks and a device to monitor environment around a blind

IOT based model with CNN algorithms integrated:

Designed a smart assistive system with real-time object detection and haptic feedback to aid visually impaired individuals. Developed a wearable device that monitors the surrounding environment, enhancing mobility and spatial awareness through intuitive feedback.

Conflict Avoidance and Landslide Detection for Vehicles in deep curves do the same for this

Machine learning model with IOT applications integrated:

Engineered a safety system for vehicles navigating deep curves, integrating real-time conflict avoidance and landslide detection. Utilized sensor networks and predictive algorithms to enhance driver awareness and reduce accident risks in hazardous terrain.

Certifications

Cisco Networking Academy

Dec 2024 - Apr 2025

Networking basics by Cisco Networking Academy

Understanding network types, protocols and communication process on ethernet networks and router connection between networks

Computer Networks

State Level Ideathon

Nov 2024 - Apr 2025

Vichara Manthana State level Ideathon Certificate

A state-level ideathon event which brought together engineering students from various institutions across Karnataka to brainstorm and present innovative solutions to real-world challenges. Participants collaborated in teams, engaging in coding, problem-solving, and idea pitching sessions

HP

Nov 2024 - Mar 2025

HP AI Course

Artificial Intelligence and its real world applications

Artificial Intelligence and Machine Learning

Problem Solving

Education

Karnataka State Education Board

Jan 2020 - Dec 2020

10TH

SVM School Hassan

96.6%

Karnataka Pre University Education Board

Nov 2020 - Nov 2022

12TH/PUC

Brilliant PU College Hassan

93.3%

JSSATE BENGALURU

Aug 2022 - Present

INFORMATION SCIENCE AND ENGINEERING

CGPA-8.7