YASHVANTH K.P

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EDUCATION

Sri Eshwar College of Engineering	B.TECH (AIDS)	CGPA :7.81	2023-2027
Swami Matriculation higher secondary School	HSC	80.83%	2021-2023
Swami Matriculation Higher Secondary School	SSLC	PASS	2020-2021

INTERN

MERN Stack Intern: 2024
Created a web app to add, update, and track tasks using the MERN stack. Built a user-friendly interface with React.js for managing tasks easily. Developed a backend API with Node.js to handle tasks and users. Used MongoDB to store task details and user data securely. Added user login and authentication for secure access.

Internship : Certificate

PROJECTS

Image Recognition for Wildlife Conservation
Implemented advanced image recognition systems for wildlife conservation using Ultralytics YOLO. Developed and trained models to detect and identify various animal species in real-time from camera trap images. This improved monitoring and tracking efficiency, aiding conservation efforts by providing actionable data to researchers and wildlife organizations for informed decision-making and protection strategies. Finally presented and published this project for IEEE Conference at IPS Academy.

Driver drowsiness detection
Developed a **real-time drowsiness detection system** using **YOLOv8** to monitor driver fatigue. The system captures live video, detects drowsiness, and triggers alerts. Key aspects include **data collection, model training, real-time inference, and OpenCV-based live monitoring**.

Task Management System
Developed a **Task Timer and Reminder System** using **Java and MySQL** to enhance productivity by managing tasks, setting reminders, and tracking time. Implemented **multithreading** for real-time timers, **JDBC for database connectivity**, and **file handling** for data backups.

Voice-Controlled Obstacle-Aware TurtleBot3 Using ROS 2 and LIDAR
This project simulates a TurtleBot3 robot controlled by voice commands such as "forward", "left", "right", and "stop" using ROS 2 on a Linux environment. LIDAR sensor data is used in real-time to detect obstacles, ensuring the robot stops automatically to avoid collisions. The project is currently implemented as a software-only simulation using Gazebo and Python-based ROS 2 nodes.

CERTIFICATIONS

C Programming Bootcamp – The Complete C Language Course	**Udemy**	**Certificate**	**2024**
Complete Python 2024 for Absolute Beginners	**Udemy**	**Certificate**	**2024**
Master Data Structure and Algorithm	**Udemy**	**Certificate**	**2024**
SQL(Basic)	**Udemy**	**Certificate**	**2024**
Certification on Matplotlib	**Great Learning**	**Certificate**	**2024**
Learn JAVA Programming – Beginner to Master	**Udemy**	**Certificate**	**2024**
Artificial Intelligence	**Novi Tech academy**	**Certificate**	**2024**

ACHIEVEMENTS

Hackerrank	:	profile
Leet Code	:	profile
Skill Rack	:	profile
Code Chef	:	profile

HACKATHON :	Won 1st prize as a team at Nandha Engineering College	Certificate	2025
MINI PROJECT EXPO :	Won 2nd prize as a team at Sri Eshwar College of Engineering	Certificate	2025

HACKATHON :   Won 2st prize as a team at Karpagam College of Engineering   Certificate   2025
IEEE Conference :   Image Recognition for Wildlife Conservation at IPS academy Indore   Certificate   2025
BUILDAEATHON : Won 1st prize as a team at Sri Eshwar College of Engineering   Certificate   2023

SKILLS

Languages	**-** C | HTML | CSS | C++ | Python | Java
Core	- Data structures and Algorithms | OOPS
Data Base	**-** MYSQL