

# YOGESH KUMAR H MUTT S

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## EDUCATION

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Ramaiah Polytechnic, Bengaluru Diploma CGPA: 9.45	2023, July
JSSATEB, Bengaluru Computer Science and Engineering Cumulative GPA: 7.65	2026 Expecting May

## SKILLS SUMMARY

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Programming Language : Python, JAVA, HTML

Database Management : SQL, Database Design and Normalization, CRUD Operations.

Core Competencies : Data Structures and Algorithms, Object-Oriented Programming (OOP) Concepts, Computer Networks, Operating Systems and Machine Learning.

## PROJECTS

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### Helmet Detection System -- AiRobosoft

Assisted on an automated system that utilizes computer vision and deep learning to detect whether motorcyclists are wearing helmets in real-time from traffic camera feeds. The system enhances road safety by identifying violations and generating challans.

### Eye Gesture Detection – AiRobosoft

Developed an eye gesture detection system that counts eye blinks to facilitate hands-free control of home appliances. Utilizing computer vision and machine learning, this project enhances user convenience and accessibility, allowing individuals to manage their home environment effortlessly through simple eye gestures.

### Automatic Car Parking System -- AiRobosoft

Developed an Automatic Parallel Parking system using the A\* path planning algorithm, integrating computer vision and sensor technologies. The system analyzes parking spaces, plans optimal trajectories, and executes safe, precise maneuvers. Focused on efficiency, safety, and accessibility, contributing to advancements in autonomous driving.

### Drowsiness Detection Model – Diploma (Sem 6)

Developed a real-time drowsiness detection system using OpenCV and dlib, which calculates the Eye Aspect Ratio (EAR) to monitor eye closure. The model provides audio alerts when drowsiness is detected, enhancing user safety and awareness through effective facial landmark analysis.

**Automated Visitor Counter with 7-Segment Display – B.E (Sem 3)**

Created an "Automated Visitor Counter with 7-Segment Display" using Arduino and infrared sensors for real-time visitor tracking. The system features energy efficiency, customizable settings, and remote monitoring, enhancing security management and visitor flow control.

**(Artify) Real-Time Cartoon Image and Video Processing Tool****B.E (Sem 5)**

Developed "Artify," a real-time image and video cartoonifier utilizing OpenCV and Tkinter. The application features an intuitive interface for image selection, cartoon style customization, and saving outputs, along with live video processing capabilities, enhancing user engagement in creative visual content generation.

**ACHIEVEMENTS:**

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- Secured 1755th rank in the DCET conducted by the Karnataka Examinations Authority (KEA)
- Attended Workshop on AI for students, Build Your Own Generative AI Model
- Attended Workshop on Gen Ai and Its Applications

**CO-CURRICULAR ACTIVITIES**

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- Cricket Participant – Anveshan Fest 2025  
Took part in a inter-college sports event.
- Cricket Participant - Verve Cup 2025  
Took part in a college-level sports event representing the Branch of CSE.

**CERTIFICATIONS**

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- Essentials Of Cloud Computing
- Basics of Python
- Software Engineering and ALM
- Software Engineering