



ANIRUDH B KOUSHIK

EDUCATION

Bachelor of Engineering in Automobile Engineering

PES College of Engineering, Mandya
2022 – 2025

Diploma in Computer Science

VidyaVardhaka Polytechnic College, Mysuru
2019 – 2022

10th Board

Ideal Java Rotary School, Mysuru
2017

PROFILE

Motivated and detail-oriented Automobile Engineering graduate with a solid foundation in vehicle dynamics and automotive systems. Seeking a challenging position in a dynamic automotive company to apply my technical skills and contribute to innovative vehicle development.

CONTACT

LinkedIn: [linkedin.com/in/anirudh-koushik-75a7232a1](https://www.linkedin.com/in/anirudh-koushik-75a7232a1)

Phone: 8317376807

Mail ID:

anirudh250801@gmail.com

Location: Hebbal, Mysuru-570016

PROJECT

1. Intelligent Traffic Monitoring System.

- Real-time vehicle detection using **CCTV/video feed and OpenCV-based image processing**
- Classification of vehicles (2W, 4W, HMT) using size and speed parameters
- Automatic traffic density measurement and signal time adjustment suggestion
- Data logging for traffic pattern analysis and congestion hotspot identification

2. Design and fabrication on dual axle steering mechanism

- Operated twin-axle steering systems, ensuring precise maneuverability across neutral, adverse, and favorable configurations by controlling front and rear axle alignment.
- Adjusted shifter for appropriate wheel motion during complex turns, optimizing vehicle handling and stability.

SKILLS

Technical

CATIA-V5

SolidWorks

Mastercam

Siemens NX

Generic

Communication

Problem Solving

Team Work

Time Management

3. Design and development of Pressing Fixture for C-Type Yoke Component of HMV [BEML], (Final Year Project).

- Analyzed the existing manual pressing process and identified bottlenecks affecting productivity and alignment.
- Designed a semi-automated fixture using **Catia V5**, ensuring proper positioning and tolerance control of the Yoke component.
- Proposed material selection and incorporated guide pins, locator blocks, and hydraulic actuation considerations.

HOBBIES

- Travel
- Cricket
- Driving
- Movies

INTERNSHIP

1. SKILL LYNC |Mandya

- Completed comprehensive training in Product Design with Catia V5 in association with Skill-Lync.
- Acquiring hands-on experience in 3D modeling, surface design, and assembly techniques.
- Developed a strong foundation in design for manufacturability, improving efficiency in CAD modeling workflows.

2. Intern – Government Tool Room & Training Center., Maddur

February 2025 – Sept 2025 (3 months)

- Exposure to **CNC machining, lathe operations**, milling, and grinding
- Developed proficiency in **SolidWorks**,
- Gained insight into **tolerance control, jigs & fixtures**, and **quality inspection tools**
- Understood practical applications of **Geometric Dimensioning and Tolerancing (GD&T)**

Declaration

I hereby declare that the information provided above is true to my knowledge.
