

# Kumar R

[kumargr8423@gmail.com](mailto:kumargr8423@gmail.com) | 6362763144  
[LinkedIn](#) | [GitHub](#)

## EDUCATION QUALIFICATION

<b>Bachelor of Engineering, Artificial Intelligence and Machine Learning</b>	7.80
East West Institute of Technology (VTU University)	2026
<b>PUC</b>	8.53
SDM Residential PU College, Ujire	2022
<b>SSLC</b>	8.05
MDRS Kuppalu	2020

## TECHNICAL SKILLS

**BACKEND:** Python, Java (Basics)

**FRONTEND:** HTML, CSS(Basics)

**DATABASES:** MySQL (Basics)

**TOOLS:** VS Code, cursor

## PROJECTS

### Driver Drowsiness Detection System – Python, CV | [Link](#)

- Utilizes real-time facial landmark analysis (eye closure, blink rate, head tilt) to accurately detect early signs of driver fatigue.
- Implements intelligent alert mechanisms—including audio, visual, and haptic feedback—to immediately warn drivers and prevent fatigue-related accidents.
- Demonstrates strong performance across varied lighting conditions, enhancing overall vehicle safety and supporting advanced driver-assistance systems (ADAS).

### Air Quality Interpolation and Prediction - Python, HTML, CSS(Basic) [Link](#)

- Performs fine-grained air-quality interpolation using sparse sensor data for high-resolution pollution mapping.
- Predicts future pollutant levels through deep-learning-based time-series forecasting.
- Identifies key features influencing air-quality variation using integrated feature-analysis techniques

## TECHNICAL EXPERTISE

- Python Core:** Proficient in OOP, exception handling, functions, modules, and implementing key data structures.
- Programming Skills:** Strong in problem-solving, logical thinking, and writing clean, efficient code.

## INTERPERSONAL SKILLS

- Demonstrated interpersonal and leadership skills through effective team coordination, communication, and responsibility in college projects.
- Built strong discipline, patience, and teamwork mindset through long-term engagement in cricket

## CERTIFICATION AND ACHIEVEMENTS

- Published the project** “Driver Drowsiness Detection System” in **IJPREMS** and received an official publication certificate.
- Currently pursuing python full stack development at pentagon space
- HTML, CSS
- Data Science in Python

## LANGUAGES KNOWN

- English
- Kannada
- Hindi