

# Kumar R

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[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