

Kumar R

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[LinkedIn](#) | [GitHub](#)

EDUCATION QUALIFICATION

Bachelor of Engineering, Artificial Intelligence and Machine Learning	7.80
East West Institute of Technology (VTU University)	2026
PUC	8.53
SDM Residential PU College, Ujire	2022
SSLC	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