Mr. Harshwardhan Bhagwan Kurale

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🌐 **https://yntarseptar.github.io/my-portfolio/**

in **https://www.linkedin.com/in/harshwardhan-kurale-540b0711b**

OBJECTIVE

Inquisitive, energetic computer science specialist skilled in leadership, with a strong foundation in math, logic, and cross-platform coding. Seeking to leverage solid skills in collaboration, communication, and development as a programmer.

EDUCATION

Program	Stream	Institution/Board	%/CGPA
Master of Technology	Computer Engineering	Walchand College of Engineering Sangli.	6.65 (Till Second Semester)
Bachelor of Technology	Computer Engineering	ATS Sanjay Bhokare Group of Institutes, Miraj Sangli.	8.65 [81.5%]
Diploma	Computer Engineering	Government Polytechnic Miraj, Sangli.	Second Class
S S C	S S C	Sangli Highschool Sangli.	83.80%

PROJECTS

1. **Eye in the Sky : AI driven Drone Surveillance for Incident Management, Dr. B. F. Momin**

    This cutting-edge project focused on real-time analysis of drone video streams using advanced AI algorithms. The system is designed for autonomous aerial surveillance, offering enhanced incident detection and response capabilities, including accidents, fires, smoke, fleeing individuals, and crowd gatherings.

2. **Custom ARM Cortex-M0+ Development Board, Dr. B. F. Momin**

    This initiative involves the design and development of a unique microcontroller board, highlighting proficiency in embedded system design, hardware, firmware, and PCB development.

3. **Auto Extraction of Topographic Features, Dr. N. L. Gavankar**

    In collaboration with the Department of Defence Production, Government of India, the ongoing project aims to harness the power of AI and ML to automatically extract manmade topographic features from satellite imagery. The primary objective is to develop a robust model capable of identifying and extracting building footprints, roads, and railway lines in the initial phase. This project contributes to advanced geospatial analysis and enhances defence and infrastructure planning capabilities.

4. **Vegetation Change Analysis, <u>Dr. N. L. Gavankar</u>**

   Utilising satellite image processing, RS, and GIS, I examined a decade of changes in urbanisation's impact on vegetation, built areas, and water bodies for informed sustainable urban planning and environmental conservation.

5. **Machine Learning based Website Phishing Detection, <u>Mrs. S. S. Rokade</u>**

   In this project, I rigorously evaluated a Machine Learning-based Website Phishing Detection system using various algorithms on a consistent dataset of 2000+ entries. The selected model will be integrated into applications and web platforms to enhance real-time phishing detection and cybersecurity.

6. **Milk Spillage Stopper using Arduino Uno, Mrs. S.G. Bavachkar**

   The objective of this project was to alert people when milk boiled and rose to the brim of the vessel.

7. **Student-Connect360: Integrated Campus Management System, Mrs. S.G. Bavachkar**

   The objective of this project is to ease the work of students and faculties in different sectors of Institute with smart cards having unique barcode.

TECHNICAL SKILLS

HTML	Python	Machine Learning	Cyber Security
CSS	Java	Embedded systems design	Remote Sensing & GIS
Networking	IoT	Hardware development	Technical Report Writing
C	SQL(My SQL)	PCB development	
C++	NoSQL (Mongo-DB)	Data Science	

CERTIFICATIONS

- MongoDB certified MongoDB Basics exemplary Knowledge
- MongoDB certified MongoDB Authentication and Authorisation of Database
- MongoDB certified Basic Cluster Management Engineer

KEY PROFICIENCIES

- Cognitive Skills: Effective Intelligence, Reasoning, Organising
- Communication and Social Skills: Expressiveness, Social Adaptability, Team Collaboration, Influence
- Leadership: Responsibility, Initiative, Self-confidence, Decision-making
- Resilience: Liveliness, Determination, Courage, Stamina

LANGUAGES

- Marathi - Native
- English - Fluent
- Hindi   - Fluent

DECLARATION

This is to state that above information is true and correct to my knowledge.

Mr.Harshwardhan Bhagwan Kurale