KALPAK KULKARNI

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# EDUCATION

## Vidyalankar Institute of Technology (2022-2026) CGPA: 9.21 Mumbai, India

*Bachelor of Technology (B.Tech) in Information Technology Aug 2022 – May 2026*

## Higher Secondary School Certificate Palghar, India

*Maharashtra State Board of Higher Secondary Education (2020-2022) Aug 2020 – May 2022 Percentage: 89.00%*

# PROJECTS

[**Ride Buddy**](https://ridebuddy-production-v1.up.railway.app/) **|** *(HTML,CSS,JavaScript,React.js,MongoDB, JWT, GitHub)*

* Developed a **secure carpooling platform** with **JWT-based authentication**.
* Designed a **NoSQL** database to manage user profiles and ride bookings.
* Integrated **dynamic ride-matching algorithms** based on **location and timing**.
* Enabled **seamless payment processing** through **API integration**.

[**Wildlife Detector**](https://github.com/Kalpak15/WildlifeDetector.git)**|** *(Python, YOLO v8, Streamlit, GitHub)*

* **Developed** a **Wildlife Detection System** using **YOLO v8** for real-time animal identification in video feeds.
* **Integrated** an **API** for automated alerts, improving response times for wildlife organizations.
* **Built** a **Streamlit** frontend for easy interaction and visual monitoring.
* **Optimized** detection accuracy with custom datasets, ensuring precision in varied environments.

[**Internify**](https://github.com/Kalpak15/Internify.git)**| *(****HTML, CSS, JavaScript, Flask, MySQL, GitHub)*

* **Developed an internship-focused web platform**, enabling seamless search and application for internships tailored to students' needs.
* **Implemented user-friendly features**, including real-time filtering, application tracking, and personalized recommendations, enhancing the user experience.

# TECHNICAL SKILLS

**Problem Solving:** DSA, OOP, DBMS

**Languages:** C++ (Preferred), SQL (MySQL, PostgreSQL), JavaScript, HTML, CSS, Python

**Databases**: MySQL, MongoDB, PostgreSQL

**Frameworks**: React.js, Express.js

**Developer Tools**: Git, VS Code, PyCharm

**Libraries**: Pandas, Scikit-learn, NumPy, Matplotlib, Seaborn

# CERTIFICATIONS & ACHIEVEMENTS

[Internal Hackathon Competition (SIH 2024)](https://drive.google.com/drive/folders/16Xbqre9tEvK6sKs8zvPWiCPsmaTgpI7T?usp=drive_link)

[Centre for Development of Advanced Computing (C-DAC) – Web Development using Python](https://drive.google.com/drive/folders/16Xbqre9tEvK6sKs8zvPWiCPsmaTgpI7T?usp=drive_link)

ONLINE PLATFORMS AND REFERENCES

GFG: [*https://www.geeksforgeeks.org/user/kulkarniko6yz/*](https://www.geeksforgeeks.org/user/kulkarniko6yz/)

Leetcode: [*https://leetcode.com/u/kulkarnikalpak15/*](https://leetcode.com/u/kulkarnikalpak15/)