MR. KABIR SATYA PANDEY

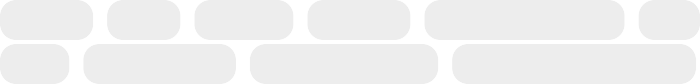
# B.Tech. - Computer Science & Engineering

**- MIT - WPU**

**Ph:** +91-7722033650

[**Email:** 1032201810@mitwpu.edu.in](mailto:1032201810@mitwpu.edu.in) Haveli, Maharashtra, India - 411038

# KEY EXPERTISE



Python Java MySQL Opencv Image Processing PID

PHP PhpMyAdmin Software Testing Software Development

Machine Learning

Software Engineering

ML

DBMS HTML Bootstrap CSS

Computer Vision

Internet of Things

**EDUCATION**

| CBSE | Percentage: **82.20 / 100.00**

10th

2018

**Millennium National School, Pune**

| CBSE | Percentage: **86.20 / 100.00**

12th

2020

**Millennium National School, Pune**

2020 - 2024

**Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)**

B.Tech. - Computer Science & Engineering - MIT - WPU | CGPA: **9.30 / 10.00**

**INTERNSHIPS**

# NCS

Software Engineer Intern

**Key Skills:** Software Engineering Innovation Power BI

05 Jul, 2023 - Present

**PROJECTS**

|  |  |  |
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|  | | |
|  | **Smart Follow-Up Drone** 02 Jan, 2023 - 04 May, 2023  **Mentor:** Dr. Renuka Suryanvanshi | **Team Size:** 4  **Key Skills:** Python Opencv Image Processing Image Segmentation PID  As a recent project, I developed a smart follow-up drone that combines state-of-the-art image recognition and tracking technology with advanced algorithms to autonomously track and follow moving targets. The drone utilizes a high-resolution camera and advanced sensors to detect and track a target's movements in real-time, and it can automatically adjust its flight path to ensure that the target remains within its field of view. The drone's  advanced algorithms allow it to anticipate the target's movements and adjust its flight path accordingly, ensuring smooth and seamless tracking. This project required a deep understanding of computer vision, machine learning, and drone technology, as well as extensive coding skills in Python |  |
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|  |  |  |
|  | **Weight Category Prediction** 02 Jan, 2023 - 27 Apr, 2023  **Mentor:** Dr. Rajendra Pawar | **Team Size:** 4  **Key Skills:** Machine Learning ML Decision Trees Python  In my recent machine learning project, I developed a model to predict weight categories based on several features. The dataset consisted of samples with various attributes, such as age, height, gender, and body fat percentage.  I preprocessed the data by performing feature scaling and one-hot encoding on categorical variables. Then, I used a supervised learning approach and trained various models, such as decision trees, random forests, and support vector machines.  To evaluate the model's performance, I used metrics like accuracy, precision, recall, and F1 score. I also performed cross-validation to ensure the model's generalizability.  After comparing different models, I selected the one with the highest accuracy and used it to predict weight categories for new data. Overall, the project was successful, and the model achieved an accuracy of 89.2% on the test set. |  |
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|  | **Lab Resource Management System**  **Mentor:** Prof. Sheetal Girase | **Team Size:** 4  **Key Skills:**  DBMS HTML Bootstrap CSS PHP PhpMyAdmin Project Management Skills Project Planning Project Design Project Coordination  Developed Lab Resource Management System with PHP-MySQL and HTML-CSS-Bootstrap frameworks enabling comprehensive search and processing of lab details at improved speeds.  Also constructed a backend database with MYSQL-PHPMyAdmin to power real time lab updates, increasing efficient analysis and processing of data |  |
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|  | **MySlot Parking Framework**  **Mentor:** Prof. Chaitali Chandankhede | **Team Size:** 4 |  |

**Key Skills:** Computer Vision Machine Learning Opencv

Using Python libraries such as OpenCV, our team created a simple and practical parking solution. The basic idea behind this was a dynamic parking frame allocation, which made this framework extremely portable.

# Movie Recommendation System

**Mentor:** Dr. Rajendra Pawar | **Team Size:** 4

**Key Skills:** Python Android Development Android Studio Machine Learning Firebase

I recently developed a Movie Recommendation System using Machine Learning and created an Android app using Android Studio. The system was designed to provide personalized movie recommendations to users based on their viewing history and preferences. The recommendation algorithm was developed using collaborative filtering techniques and was trained on a dataset of movie ratings and user behavior.

The Android app was designed to provide an intuitive user interface and seamless user experience. The app allows users to browse through a curated list of movie recommendations and provides detailed information about each movie, including ratings, reviews, and trailers. The app also includes a search function that allows users to find specific movies based on their title or genre.

Overall, the project allowed me to gain hands-on experience in developing a machine learning-based recommendation system and creating an Android app from scratch. I am excited to continue exploring the intersection of machine learning and mobile app development in future projects.

# PUBLICATIONS / RESEARCH / WHITE PAPERS

**Women Crime Rate Prediction and Analysis**

**Mentor:** Prof. Shakti Kinger | **No. of Authors:** 4

**Key Skills:** Big Data Big Data Analytics Machine Learning Python Data Visualization

Assessed existing prediction models and conducted new research on increasing women crime data from 50 districts in Madhya Pradesh, India. Developed and tested dynamic predictive models using machine learning and neural networking techniques on woman crime rate achieving 87% accuracy.

# SEMINARS / TRAININGS / WORKSHOPS

**Security and Privacy in Smart farming using IOT**

**Institute Name:** Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)

**Key Skills:** Security Internet of Things Blockchain Cyber-security Research

02 Jan, 2023 - 18 May, 2023

As a part of a recent seminar in my college, I gained valuable insights into the importance of security and privacy in smart farming using IoT. The implementation of IoT in farming has revolutionized the agriculture industry by enabling farmers to monitor crop health, soil moisture levels, and weather conditions in real-time. However, it also poses a significant security risk as IoT devices are susceptible to cyber-attacks.

To mitigate these risks, farmers must ensure that they use secure IoT devices and implement robust security measures such as encryption and two-factor authentication. Additionally, they must be aware of potential privacy concerns that arise from collecting data on crop yields and soil

composition.

During the seminar, I learned how using blockchain technology and decentralized data storage can help to protect sensitive farming data from unauthorized access. It is essential to prioritize security and privacy in smart farming to safeguard valuable agricultural assets and ensure the

sustainable growth of the industry. The knowledge and skills I gained from this seminar have equipped me to contribute meaningfully to any project that involves the implementation of IoT in agriculture.

# Fundamentals of Digital Marketing

**Institute Name:** Google

**Key Skills:** Digital Marketing SEO Social Media Google Analytics

22 Jul, 2020 - 22 Aug, 2020

This certificate program offered by Google Digital Garage provided an in-depth introduction to the fundamental principles of digital marketing, including search engine optimization (SEO), social media marketing, content marketing, email marketing, and analytics. Through this program, I gained a

comprehensive understanding of the latest digital marketing strategies and tactics, including how to create effective marketing campaigns, measure and analyze marketing data, and optimize marketing performance.

# PERSONAL INTERESTS / HOBBIES

Travel Sports

Listening to music Trading

**IMs**

WhatsApp - 7722033650

# PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Single

**Current Address:** C-101,Shilpa Society,Near Mit College,Kothrud, Kothrud, Haveli, Maharashtra, India - 411038

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**Date of Birth:** 28 Nov, 2002

**Known Languages:** Hindi,English,Marathi

**Phone Numbers:** +91-7722033650, +91-7722033650