MR. KABIR SATYA PANDEY

B.Tech. - Computer Science & Engineering - MIT - WPU

Ph: +91-7722033650
Email: 1032201810@mitwpu.edu.in
Haveli, Maharashtra, India - 411038

KEY EXPERTISE

Python · Java · MySQL · Opencv · Image Processing · PID · Machine Learning · ML · DBMS · HTML · Bootstrap · CSS · PHP · PhpMyAdmin · Software Testing · Software Development · Software Engineering · Computer Vision · Internet of Things

EDUCATION

Dr. Vishwanath Karad MIT World Peace University (MIT-WPU) 2020 - 2024
B.Tech. - Computer Science & Engineering - MIT - WPU | CGPA: **9.30 / 10.00**

Millennium National School, Pune 2020
12th | CBSE | Percentage: **86.20 / 100.00**

Millennium National School, Pune 2018
10th | CBSE | Percentage: **82.20 / 100.00**

INTERNSHIPS

NCS 05 Jul, 2023 - Present
Software Engineer Intern

Key Skills: Software Engineering · Innovation · Power BI

PROJECTS

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

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.

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

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   02 Jan, 2023 - 18 May, 2023
Institute Name: Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)

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

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   22 Jul, 2020 - 22 Aug, 2020
Institute Name: Google

Key Skills: Digital Marketing   SEO   Social Media   Google Analytics

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

Emails: 1032201810@mitwpu.edu.in , pandey.kabir77@gmail.com

Date of Birth: 28 Nov, 2002

Known Languages: Hindi,English,Marathi

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