

KRUSHNA PAWAR

About Me

As a student, I have been learning and developing skills in SQL,Python, Power BI, and Tableau. Passionate about agricultural research , I have completed my Bachelor's degree in Computer Science at the Indira Group of Institutes, Pune. Known for my effective communication, quick learning ability, and leadership qualities, I am excited to apply my knowledge and enthusiasm to create innovative solutions in agriculture and technology.

Education

Bachelor of Computer Science

Indira College of commerce & science ,Pune 2024 CGPA - 8.45

Higher Secondary Eduction

Shri. Fattechand Jain college ,Pune 2021 Score - 80.50%

Senior Secondary Eduction

M.S.S High School ,Pune 2018 Score - 82.69%

Projects

• Smart Irrigation System

I developed a microcontroller-based smart irrigation system using Arduino Uno to address farming challenges, save time, reduce human error, conserve energy and water, and optimize crop-specific care. The system integrates a GSM module for remote monitoring and control, an LM-35 sensor for accurate temperature readings, and a soil moisture sensor to assess soil humidity levels. When the soil moisture drops below a predefined threshold, the system automatically activates the water pump. Farmers receive real-time updates and control options via SMS, ensuring efficient and precise irrigation management.

• Attendance Management System Using Face Recognition

Created a system employing facial recognition technology for accurate attendance tracking, enhancing efficiency, and ensuring a secure and reliable method of attendance management.

• Plant Disease Detection

Developed a plant disease detection system using machine learning and computer vision. Trained a deep learning model on diverse plant images, achieving over 90% accuracy. Integrated the model into a mobile app for real-time detection. Future work includes exploring IoT for real-time monitoring and continuous updates.

Contact

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Skills

- Python
- SQL
- Power BI
- Tableau
- Microsoft Excel
- Business Analysis
- Good Communication Skills

Certificate

- Excel Essential Training
- Data Visualization in Tableau (Tata)
- Power BI (PwC)

Language

- English
- Hindi
- Marathi (Mother Tongue)

Hobbies

- Agriculture Research
- Playing Chess
- Reading books

Achievements

- **Inter-College IoT Project Competition Winner**

Demonstrated innovation skills by winning the competition twice.

- **National Student Conference on Emerging Trends**

I presented a research paper on the Smart Irrigation System at the National Student Conference on Emerging Trends, sharing insights with the academic community. The presentation highlighted the system's ability to conserve resources and optimize crop care using Arduino Uno, GSM, LM-35, and soil moisture sensors. This contribution aimed to inspire further innovation and collaboration in sustainable agriculture technologies.

- **Placement Coordinator**

Indira College of Commerce & Science,Pune.