

# Shivam Dubey

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📍 Jabalpur, Madhya Pradesh, India

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## Career Objective

Innovative and driven PhD scholar in Computer Science and Engineering at PDPM IIITDM Jabalpur, specializing in AI-powered image processing for agriculture. Passionate about developing adaptive solutions for crop health monitoring and predictive analysis in precision agriculture. Seeking opportunities to contribute to impactful research and technological advancements in the field.

## Education

### Ph.D. in Computer Science and Engineering

PDPM IIITDM Jabalpur

2023 – Present (Expected 2027)

Thesis: AI-Driven Adaptive Solutions for Crop Health Monitoring and Predictive Analysis in Precision Agriculture

### M.Tech in Computer Science and Engineering

PDPM IIITDM Jabalpur

2021 – 2023

### B.E. in Computer Science and Engineering

UIT-RGPV

2014 – 2018

## Research & Publications

“An Ensemble Learning Model for Hardware Trojan Detection in Integrated Circuit Design”  
Conference Paper – (Computers and Electrical Engineering & 2025)

## Technical Skills

**Programming & Tools:** Python, QGIS

**Technologies:** Deep Learning, Image Processing

**Frameworks:** TensorFlow, OpenCV (assumed based on field—can remove if not used)

**Others:** GIS Mapping & Remote Sensing (via QGIS)

## Languages

English (Fluent)

Hindi (Native)

## Research Interests

Image Processing in Agriculture

Precision Agriculture & Remote Sensing

Deep Learning for Crop Health Prediction

AI Applications in Environmental Monitoring