

# Saurav Sisodia

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Kangra, H.P, India

## Summary

Motivated and detail-oriented M.Tech student in Computer Science and Engineering with a strong foundation in Python programming and hands-on experience in AI/ML and IoT projects. Skilled in designing intelligent solutions, with a passion for solving real-world problems using technology. Demonstrated ability to work in team environments, build scalable systems, and adapt quickly to new tools and technologies. Naturally curious and a fast learner—always eager to take on new challenges and give more than 100% effort in every task.

## Education

### M.Tech in Computer Science and Engineering

Himachal Pradesh Technical University | H.P

2023-Present

### B.Tech in Computer Science and Engineering

HIET Group of Institutions, Kangra, H.P (Affiliated to HPTU)

CGPA: 8.42 | 2020- 2023

### Diploma in Computer Science and Engineering

Government Polytechnic College, Hamirpur, H.P

Percentage: 67.4% | 2017–2020

### 10<sup>th</sup> (CBSE)

DAV Senior Secondary Public School, Bharoli

CGPA: 7.6 | Year: 2017

## Work Experience

### Python Traniee

Infowiz, Chandigarh

Feb 2023 – July 2023 (6 months)

- Gained industry-level experience in core Python programming, working on mini-projects and automation scripts.
- Collaborated on project modules related to backend development and GUI tools.

## Skills

<b>Programming</b> Python, Java, SQL, C++,C	<b>Web Development</b> HTML, CSS, Javascript	<b>Database Management</b> MySQL, MongoDB
<b>Operating System</b> MacOS, Linux, Window	<b>Tools / Technologies</b> IoT, AI/ML Tools, Git, VSCode	<b>Networking</b> Intermediate
<b>IOT</b> System Design Beginner	<b>Proficient in using AI tools</b>	<b>Good understanding of DSA</b> ( Data Structure and Algorithm )

# Certifications

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- Python 6-Month Training — INFOWIZ (ID: 6M2023/779)
- Python 1-Month Training — ZCC Hamirpur (ID: ZCC-H-696)
- PHP 1-Month Training — ZCC Hamirpur (ID: ZCC-H-636)
- PHP 1-Month Training — Solitaire Infosys, Mohali (S. No.: 243271)
- Microsoft AI Classroom Series — Online (1-Month)

# Projects

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## AI-Based Intelligent System for Crop Disease Detection and Management

- Built a Python-based AI system using CNN to detect crop diseases from leaf images and provided treatment and crop recommendations via a Streamlit GUI.

## GUI QR Code Maker (Python)

- Developed a cross-platform desktop application to generate QR codes via a GUI interface.
- Facilitated easy sharing of URLs and text data.

## College Management System Website

- Built a web platform to manage student, staff, and library data.
- Developed automated scheduling and resource management system.

## Lab Automation System Using IoT

- Designed an IoT system with RFID and mobile app integration for access control and smart automation.
- Enabled secure, password-free door unlocking and real-time fire alerts.

## Hotel Management System Website

- Created a responsive hotel booking website with real-time room selection and food ordering features.

## IoT-Based Air Quality Monitoring

- Deployed sensors to measure environmental parameters and visualize air quality data for awareness.

# Academic Work & Publications

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## M.Tech Thesis (In Progress)

**Topic Placeholder:** AI-based Intelligent System for Crop Disease Detection and Management

**Review Paper:** A Review on AI-Powered Smart Crop Management System — Published in IRJMETs, February 2025

[https://www.irjmet.com/uploadedfiles/paper//issue\\_2\\_february\\_2025/67419/final/fin\\_irjmet1738995601.pdf](https://www.irjmet.com/uploadedfiles/paper//issue_2_february_2025/67419/final/fin_irjmet1738995601.pdf)

**Research Paper (Acceptance Pending):** "Comparative Analysis of Machine Learning and Deep Learning Models for Crop Recommendation Based on Different Soil Parameters"

# Hobbies

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Traveling

Trekking

Riding

Drawing