

Saurav Sisodia

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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

10th (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

Programming

Python, Java, SQL, C++,C

Web Development

HTML, CSS, Javascript

Database Management

MySQL, MongoDB

Operating System

MacOS, Linux, Window

Tools / Technologies

IoT, AI/ML Tools, Git, VSCode

Networking

Intermediate

IOT

Proficient in using AI tools

Good understanding of DSA

System Design

(Data Structure and Algorithm)

Beginner

Applications
MS office, Canva

Hardware
Desktop | Laptop | Server | Printer

I'm a smart developer who builds real-world solutions. I use AI in my daily life to work faster and smarter. I have strong knowledge of AI, ML, DL, Python, VS Code, and web development (React, Node.js, HTML, CSS, etc.). I'm comfortable with all major operating systems and have hands-on experience with them. I also work on IoT projects involving Arduino, sensors, and more. Additionally, I've worked with Java, JavaScript, C, C++, and databases like MySQL. I'm always ready to take on new challenges, a fast learner, and quick to adapt.

Certifications

- 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

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 for Mac & Window (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

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.irjmets.com/uploadedfiles/paper//issue_2_february_2025/67419/final/fin_irjmets1738995601.pdf

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

Hobbies

Traveling

Trekking

Riding

Drawing