



## BRIEF SUMMARY

Motivated and detail-oriented B.Tech Computer Science and Engineering student with a specialization in Artificial Intelligence and Data Science. Possess a solid foundation in Python, SQL, and Object-Oriented Programming, along with skills in Power BI for creating insightful reports and dashboards. Experienced in data cleaning, analysis, and visualization, with the ability to apply technical knowledge to improve operations and support efficient decision-making.

## KEY EXPERTISE

Machine Learning   python   PowerBI   SQL   Data Analytics   Object-Oriented Programming

## EDUCATION

### Sagar Group of Institutions - SISTec

2022 - 2026

B.Tech. - Artificial Intelligence & Data Science - SISTec GN | CGPA: 7.27 / 10

### Sahara Public H.S Secondary School, Kalapipal

2021

12<sup>th</sup> | m.p board | Percentage: 88.80 / 100

### Sahara Public H.S School, Kalapipal

2019

10<sup>th</sup> | m.p board | Percentage: 87.80 / 100

## PROJECTS

### Design and development of car price prediction model

Mentor: Prof. Ruchi Jain | Team Size: 3

Key Skills: python, HTML, CSS, JavaScript, Machine learning, Django

Car Price Prediction Model – Built ML model using RandomForestRegressor achieving 92% accuracy; deployed using Django

### Design and development of college fees management system

Mentor: Prof. Ruchi Jain | Team Size: 3

Key Skills: python, HTML, CSS, JavaScript, Flask

College Fees Management System :: Automated fee tracking system, reduced manual work by 60% using Flask & MySQL.

### Farmer Market Dashboard

Key Skills: Power BI

Designed an interactive Farmer Market Dashboard in Power BI using Power Query, Data Modeling, and DAX. It highlights total sales, customer trends, vendor performance, and product insights — making data-driven decisions easier for farmers and stakeholders.

## ASSESSMENTS / CERTIFICATIONS

### AI/ML for geodata Analysis

Contributing as an AIML Geo Data Analyst at the Indian Space Research Organisation (ISRO), responsible for applying Artificial Intelligence (AI) and Machine Learning (ML) techniques to analyze large-scale geospatial data derived from satellite imagery, remote sensing technologies, and ground-based observations. These insights support key national missions related to climate change, agriculture, urban planning, disaster management, water resource monitoring, and environmental protection.

### Python Essentials 1

Key Skills: PYTHON

Successfully completed Cisco's 'Python Essentials 1' course, an introductory-level program offered by Cisco Networking Academy. The course covers fundamental programming concepts using Python, including data types, control structures, functions, modules, file operations, and basic object-oriented programming. Ideal for beginners, it helps develop problem-solving skills and lays the foundation for further studies in software development, networking, cybersecurity, or data science.

python

**Key Skills:** PYTHON

Completed NPTEL course on "The Joy of Computing using Python" conducted by Prof. Sudarshan Iyengar (IIT Ropar). Gained foundational knowledge in Python programming, problem-solving, and basic data structures through hands-on projects and engaging real-world examples.

**Data Analytics**

focused on data analysis, visualization, and insights using tools like Excel, SQL, Tableau, and Python to support business decision-making.

SEMINARS / TRAININGS / WORKSHOPS

**Samadhan 1.0 Institute Name:** Sagar Institute of Science & Technology

Samadhan 1.0 is an AI-powered chatbot prototype designed to assist vehicle owners in resolving issues encountered during driving. Built using advanced technologies like LangChain, LangSmith, LLaMA 3 (70B), and integrated with Streamlit and GradioCloud, Samadhan 1.0 interacts with users in natural language to diagnose car problems, suggest immediate solutions, and guide them step-by-step. The system enhances user experience with real-time responses, personalized advice, and multilingual support, aiming to reduce dependence on roadside assistance and improve on-road safety and convenience.

**Innovate IoT ESP32 Workshop**

**Institute Name:** Sagar Institute of Science & Technology

Innovate IoT ESP32 4-Day Workshop:

The Innovate IoT ESP32 4-Day Workshop is an intensive, hands-on training program designed to equip participants with practical knowledge and skills in Internet of Things (IoT) development using the ESP32 microcontroller. Over the span of four days, participants explore IoT fundamentals, sensor integration, real-time data processing, and wireless communication.

**Microsoft learn student Ambassador**

**Institute Name:** Sagar Institute of Science & Technology

Microsoft Learn Student Ambassador – Git & GitHub Workshop

As part of the Microsoft Learn Student Ambassador initiative, the Git & GitHub Workshop is a hands-on session designed to introduce students to the essentials of version control and collaborative coding. Led by a Student Ambassador, the workshop empowers participants with practical skills in using Git for local version control and GitHub for managing remote repositories and team collaboration.

CO-CURRICULAR ACTIVITIES

- Participant – Samadhan 1.0: National-Level AI Innovation Hackathon Sagar Institute of Science and Technology (SISTec), Bhopal | November 2024
- Completed– Workshop on Blockchain and NFT Technologies Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), Bhopal | 2024

EXTRA CURRICULAR ACTIVITIES

- Taking part– Inter-College Kho-Kho Tournament [Sagar Institute of science and Technology ] | [June, 2024] Represented the college in a competitive Kho-Kho event, demonstrating teamwork, stamina, and strategic play.

PERSONAL INTERESTS / HOBBIES

- Gardening
- Cooking

PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Single

**Current Address:** Bhopal, Bhopal, Madhya Pradesh, India - 462030

**Email:** sandeepprajapati789789@gmail.com

**Date of Birth:** 03 Jun, 2003

**Known Languages:** Hindi and English

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