



BRIEF SUMMARY

Highly motivated Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence and Data Science) with a strong foundation in Python, Django, Machine Learning and Deep Learning. Passionate about AI-driven solutions and web development, with hands-on experience in various Machine Learning, Deep Learning and full-stack projects

KEY EXPERTISE

Machine Learning Python HTML CSS Django Flask Deep Learning Javascript LLMs C++ MySQL
Power BI Github GIT

EDUCATION

Sagar Group of Institutions - SISTec

2022 - 2026

B.Tech. - Artificial Intelligence & Data Science - SISTec GN | CGPA: 6.43 / 10

Mother Terasa Memorial Convent Hr. Sec. School, Biaora (MP), Biaora

2022

12th | MPBSE | Percentage: 78.80 / 100

Mother Terasa Memorial Convent Hr. Sec. School, Biaora (MP), Biaora

2020

10th | MPBSE | Percentage: 91.67 / 100

PROJECTS

Helmet detection

20 Jan, 2025 - 12 Mar, 2025

Mentor: Proffessor Ruchi Jain | Team Size: 2

Key Skills: HTML CSS JavaScript Deep Learning

To develop an intelligent helmet detection system using deep learning techniques that can automatically detect whether a rider is wearing a helmet or not in real-time from images or video streams. The system aims to promote road safety and assist traffic enforcement through automation.

Design and Development of Student mental health prediction

21 Oct, 2024 - 11 Dec, 2024

Mentor: professor Ruchi Jain | Team Size: 4

Key Skills: HTML CSS Javascript Machine Learning

Developed a machine learning model to predict Student mental health based on questions and answers such as smart- phone time , Sleep schedule, mental health etc.

Design and Development Portfolio website

10 May, 2024 - 10 Jul, 2024

Mentor: professor Ruchi Jain | Team Size: 1

Key Skills: HTML CSS Javascript

Design and developed a personal portfolio website to my achievement

SEMINARS / TRAININGS / WORKSHOPS

Deep Learning Module Training at SISTec-GN, Bhopal (2025)

08 Jan, 2025 - 31 Jan, 2025

Institute Name: Sagar Group of Institutions - SISTec

Key Skills:

- Convolutional Neural Networks (CNNs)
- Recurrent Neural Networks (RNNs)
- TensorFlow
- Keras
- image classification

This training module focused on the principles and applications of deep learning, a subset of machine learning inspired by the structure of the human brain. The course covered foundational concepts such as neural networks, activation functions, backpropagation, and optimization techniques. Advanced topics included Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), Long Short-Term Memory (LSTM) networks, and transfer learning. Practical implementation was done using Python and deep learning frameworks such as TensorFlow and Keras. The module emphasized real-world problem-solving through hands-on projects in areas like image classification, natural language processing, and time series prediction.

Machine Learning Training Module at SISTec-GN, Bhopal (2024)

15 Mar, 2024 - 31 Mar, 2024

Institute Name: Sagar Group of Institutions - SISTec

Key Skills:

- Supervision
- Unsupervised Learning
- Data Visualization
- data preprocessing
- Linear Regression
- Clustering
- Scikit-Learn
- NumPy
- Pandas
- Matplotlib

This training module provided a comprehensive foundation in machine learning concepts and techniques. It covered key topics such as supervised and unsupervised learning, model evaluation, feature engineering, data preprocessing, and algorithm implementation. Learners were introduced to algorithms like Linear Regression, Decision Trees, K-Nearest Neighbors (KNN), Support Vector Machines (SVM), and clustering methods like K-Means. The module included hands-on practice using Python and libraries such as Scikit-learn, NumPy, Pandas, and Matplotlib. Real-world datasets were used in projects to build, train, and evaluate machine learning models, enabling practical understanding and application of ML principles.

Python Training Module at SISTec -GN, Bhopal (2023)

01 Feb, 2023 - 20 Feb, 2023

Institute Name: Sagar Group of Institutions - SISTec

- Key Skills:
- Python
- Matplotlib
- ta
- NumPy
- Pandas

This training module offered a complete introduction to Python programming, covering core concepts such as variables, data types, control structures, functions, lists, dictionaries, and file handling. It also introduced advanced topics including object-oriented programming (OOP), exception handling, modules and packages, and basic data analysis using libraries like NumPy and Pandas.

CO-CURRICULAR ACTIVITIES

- o Participated in Samadhan 1.0 at AI based Chatbot Hackathon SISTec-GN (2024)
- o Participated in Smart India Hackathon at SISTec-GN (2024)

EXTRA CURRICULAR ACTIVITIES

- o Participated in Skills and Thrills competition at SISTec-GN, Bhopal and secured 1st rank (2023)
- o Participated in Skills and Thrills competition at SISTec-GN, Bhopal and secured 2nd rank (2024)

PERSONAL INTERESTS / HOBBIES

- o Watching Cricket
- o Watching Movies and Web series
- o Listening to music
- o Shayari Writing

WEB LINKS

- o Github - <https://github.com/AASHU7688>
- o Personal - <https://main.duzr5mzgerxy7.amplifyapp.com/>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Aadhar hospital karond bhopal, Bhopal, Madhya Pradesh, India - 462038

Emails: abhaysolanki040@gmail.com , kanharajput810@gmail.com

Date of Birth: 15 Jan, 2005

Known Languages: Hindi , English

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