Adarsh Singh

Data Science and AI Enthusiast

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 AdarshSingh09

Summary

Data Science student with practical experience in machine learning, data analysis, and model development. Proficient in Python, R, SQL, and various data visualization tools.

Professional Experience

08/2023–
12/2024
Research Intern, *Mahyco*, Bhilai, Chhattisgarh
Worked on the Okra Disease Detection project, designing and implementing deep learning models for detecting diseases in okra plants using UAV imagery.

Education

2021–2025
(Expected)
B.Tech in Data Science & Artificial Intelligence, *IIIT Naya Raipur*, Chhattisgarh, India
Relevant coursework: Data Science, Machine Learning, Statistical Methods, Artificial Intelligence.

2020 **AISSCE (Class XII)**, *Krishna Public School, Nehru Nagar*, Bhilai, India, Aggregate: 93.2%

2018 **AISSCE (Class X)**, *Krishna Public School, Nehru Nagar*, Bhilai, India, Aggregate: 88.8%

Skills

Languages Python, R, SQL
Libraries Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow
Tools Tableau, Power BI, Flask, Streamlit
Soft Skills Analytical Thinking, Teamwork, Problem-solving

Projects

o **Leaf Disease Detection App:** Developed an Android app for classifying leaf diseases using ResNet50 with 92.6% accuracy and deployed the model via Flask API.

o **Okra Disease Detection:** Designed and implemented deep learning models for detecting diseases in okra plants using UAV-captured imagery, enhancing precision in agricultural diagnostics.

o **Chat Analyzer:** Created a Streamlit-based web app for analyzing chat data, offering insights into sentiment and user behavior.

o **3D Printer Malfunction Detection (IoT):** Built a system to detect errors in 3D printers by

monitoring vibrations with an accelerometer and predicting faults using machine learning.

Positions of Responsibility

○ **Photography Club:** Core member of the Photography Club of IIIT Naya Raipur.

○ **Science Exhibition:** Organizing Committee member of SCITFIC 2k23, IIIT Naya Raipur.

○ **Tourism Club:** Core member of the Tourism Club of IIIT Naya Raipur.