

SHALINI KUMARI

Full Stack Data Science with AI

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Summary

Full-Stack Data Science AI Developer passionate about turning data into intelligent products. Experienced in building end-to-end AI solutions from raw data and feature engineering to machine learning, deep learning, NLP, and deployment as real, usable applications. Skilled in Python, SQL, and modern ML frameworks, with a strong focus on solving real-world problems through data-driven innovation.

Education

Sage University, Bhopal

2022 – Present

Bachelor of Technology in Computer Science, SGPA: 9.23

Bhopal, M.P.

Technical Skills

Programming Languages: Python, SQL, Data Structures & Algorithms

Libraries Frameworks: NumPy, Pandas, Seaborn, Matplotlib, Plotly, Scikit-learn, XGBoost, LightGBM, TensorFlow, Keras, PyTorch, SpaCy, NLTK, Gensim, LangChain, LangGraph, LangSmith, LlamaIndex, WordCloud, Flask, Streamlit, BeautifulSoup, Mediapipe, OpenCV, YOLO, RAG

Technologies: Machine Learning, Deep Learning, NLP, Generative AI (GenAI), Large Language Models (LLMs), AI Agents, Computer Vision, MLOps, CI/CD Pipeline, Agentic AI

Tools: Jupyter Notebook, VS Code, PyCharm, Spyder, Google Colab, MySQL, Power BI, MS Excel, GitHub

Experiences

Naman Digital Pvt. Ltd. — Jaipur, Rajasthan

July 2025 – Sept 2025

Data Science Intern

Virtual

- Selected for a prestigious 2-month Data Science internship under the Ministry of MSME, Govt. of India.
- Performed advanced data preprocessing, cleaning, and analysis using Python, Pandas, and SQL to ensure high data quality and consistency.
- Built and evaluated machine learning models (Regression and Classification) using appropriate performance metrics.
- Developed interactive dashboards and automated analytical workflows to improve reporting accuracy and efficiency.
- Collaborated remotely with cross-functional team members, strengthening problem-solving and professional communication skills.

Projects

Student Mark Prediction | Python, Flask, Scikit-learn, Joblib, HTML, CSS, Git

- Designed an end-to-end Machine Learning web application to predict student marks based on daily study hours.
- Integrated a trained ML regression model with a Flask-based web interface for real-time predictions.
- Implemented clean architecture, efficient model loading, and input validation to ensure accurate and reliable results.
- Live Demo:** [LINK](#)

OmniVisionX | Python, Streamlit, YOLov8, OpenCV, PIL, NumPy

- Built a real-time AI vision system achieving 90%+ accuracy in object detection, segmentation, and pose tracking using YOLov8 and OpenCV.
- Designed a highly responsive Streamlit dashboard supporting image, video, and webcam inputs with 40% faster inference rendering and export-ready outputs.
- Optimized the end-to-end vision pipeline using OpenCV and NumPy, reducing processing latency by 35% and improving overall model fusion performance.

Live Demo: [LINK](#)

Statistics Learning App | Python, Streamlit, Pandas, NumPy, Matplotlib, Seaborn, SciPy

- Developed an interactive Streamlit app for real-time descriptive and inferential statistical analysis with data input and visualization.
- Integrated CSV upload, formula display, and automated computation for tests like Z-Test, T-Test, Chi-Square, and Confidence Intervals.
- Enhanced learning experience through dynamic charts and step-by-step outputs.

Live Demo: [LINK](#)

Certifications

Data Structures & Algorithms Certification

Jan 2025 – Present

Comprehensive DSA Training (Offline)

Full Stack Data Science with AI program at NareshIT - Hyderabad.

June 2025 - Dec 2025

- Currently enrolled in a 6-month certification program focused on Data Science, Machine Learning, Deep Learning, and applied AI using Python.

Basics of Python – INFOSYS.