Gaurav Sonkar

Rajnandgaon Chhattisgarh

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Summary

AI Engineer with expertise in machine learning, deep learning, and NLP. Passionate about leveraging AI for real-world applications and solving complex data-driven challenges. Skilled in Python, TensorFlow, PyTorch, and Scikit-Learn, with hands-on experience in AI model development, deployment, and optimization. Adaptable and eager to contribute innovative AI solutions in a dynamic environment.

Technical Skills

Programming Languages : Python, C++, Java, JavaScript, SQL.

AI/ML Frameworks: TensorFlow/PyTorch, Scikit-Learn, OpenCV, LangGraph, Tavily API, OpenRouter API

Web Development: Django, React.js, Flask

Databases : MySQL, MongoDB.

Tools and Software: Git, GitHub, Jupyter Notebook, PowerBI , REST API, LangChain, pytest.

Operating Systems : Windows OS, Linux OS.

Core Concepts: NLP, Data Analytics, Feature Engineering, Time Series Forecasting, Image Processing

Course work/Soft Skills

DSA | OOP's Concepts | DBMS | Computer Networks | Software Engineering | Operating System | ANN Image Processing | Problem-solving | Web Development | Machine Learning | Statistics and Mathematics Data Analysis | Data Analytics

Projects

Featured Project - AI Research Agentic System   **Link**

- Designed LangGraph workflow with 4 specialized agents for automated research. Integrated Tavily API for domain-specific web research. Implemented DeepSeek R1 model for context-aware summarization. Developed recursion safeguards with configurable iteration limits (3-10 cycles). Achieved 92% accuracy in summary relevance (manual validation).
- Tools: LangChain, LangGraph, Tavily API, DeepSeek R1, Python

Online Fraud Detection   **Link**

- Built a fraud detection AI model using Random Forest Classifier, achieving 99.96% accuracy. Integrated the model into a Django web app for real-time fraud detection.
- Tools Used: HTML5, Bootstrap5, Python, Numpy, Pandas, Scikit-Learn, Django.

Pizza Sales Analysis   **Link**

- Analyzed 10K+ sales records using SQL, identifying top-selling products and optimizing inventory management.
- Tools Used: SQL, MySQL Workbench, Canvas.

Education

Banaras Hindu University, Varanasi U.P.(BHU), Master's of Computer Application	Oct 2023 – June 2025
• (Present)	
Govt. Digvijay College, Rajnandgaon C.G, Bachelor's of Computer Application	July 2019 – May 2022
• Percentage : 76.00%	

Coding Plateforms

LeetCode	HackerRank	Coding Ninjas	Kaggle