

AKHILESH SINGH

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EDUCATION

Bachelor of Technology - Computer Science and Engineering
Maharishi Dayanand University, Rohtak, Haryana

Ongoing - 2026

PROFILE SUMMARY

Aspiring AI/ML Engineer with a strong foundation in Python and core concepts of Machine Learning. Experience with tools like Pandas, NumPy, OpenCV, Streamlit, and Git. Actively learning scikit-learn and exploring LLMs, LangChain, RAG systems, and Azure AI Foundry. Eager to contribute to real-world AI projects and grow through practical experience.

SKILLS

Programming Languages & Tools

Python (basic, currently improving)
Object-Oriented Programming (OOP)
Git & GitHub (version control, collaboration)

Libraries & Frameworks

NumPy, Pandas, Matplotlib
OpenCV & MediaPipe
Streamlit (for interactive web apps)

AI/ML Concepts

Currently learning Machine Learning with scikit-learn
Basic understanding of Regression, Classification, and Computer Vision
Exploring LLMs, LangChain, RAG systems, GPT4All, Ollama, LM Studio

PROJECTS

AI Resume Critiquer | [🔗](#)

Built an AI-powered web app that analyzes resumes using NLP techniques to provide improvement suggestions, keyword insights, and ATS-friendliness scores.

Fraud Detection Web App | [🔗](#)

Developed a web app using Logistic Regression to detect fraudulent transactions. Integrated with Streamlit for real-time input and predictions.

IPL Data Analysis Web App | [🔗](#)

Performed EDA on IPL dataset using Pandas & Matplotlib. Built an interactive Streamlit app to explore team stats, player performance, and match trends.

COURSES & CERTIFICATIONS

- Business Analytics & Decision Making with Generative AI (In Progress)
BITSom – School of Management | July 2025 – Present
- AI Model Deployment & Prompt Flow (Azure AI Foundry) (Microsoft Learn)
- Responsible Generative AI & AI Solution Planning (Microsoft Learn)

ACHIEVEMENTS

Led Technical Club; hosted 5+ AI/ML workshops for 800+ students (↑ engagement 30%)
Organized Tech Fusion – inter-college AI showcase with 800+ participants
2nd place in hackathon (25+ teams) for NLP-based chatbot project