AKHILESH SINGH

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EDUCATION

MAHARISHI DAYANAND UNIVERSITY   **Rohtak, Haryana**

Bachelor of Technology-Computer Science and Engineering   Expected Oct 2025
SGPA: 7.5

PROFILE SUMMARY

Aspiring AI/ML Engineer with hands-on projects in Computer Vision and NLP. Proficient in Python, OpenCV, and Streamlit with a strong foundation in ML and UX design. Led technical clubs and events; actively seeking an AI/ML internship to apply practical skills and solve real-world problems.

SKILLS SUMMARY

Languages & Tools: Python, Git, GitHub, Jupyter Notebook, VS Code
Libraries & Frameworks: Pandas, NumPy, Matplotlib, Seaborn, OpenCV, Streamlit, MediaPipe, PyAutoGUI, PyPDF2
AI & NLP: OpenAI API, Prompt Engineering
Other Skills: Data Analysis, Computer Vision, Real-time Hand Tracking, Image Processing, UI Design Understanding (Figma), Problem Solving

PROJECTS

IPL Data Analysis with Python 🔗 Live App | Github
Python, Pandas, Matplotlib, Seaborn, Jupyter Notebook
- Explored and visualized 12+ years of IPL data (matches + deliveries)
- Extracted insights on top scorers, most sixes, toss winner impact, and match distribution
- Built clean and informative plots to support decision-based insights

Fraud Detection Web App 🔗 Live App | GitHub
Python · Scikit-learn · Streamlit · Data Visualization
- Built an interactive web app to detect fraudulent credit card transactions using machine learning (Random Forest Classifier)
- Handled real-world imbalanced data, applied preprocessing (scaling), and evaluated model performance using precision, recall, and F1-score
- Integrated live CSV upload and real-time predictions with model visualization (confusion matrix, feature importance)
- Deployed on Streamlit Cloud for public use and added to GitHub for code transparency

AI Resume Critiquer 🔗 Live App | Github
AI-powered Resume Feedback Web App using Streamlit & OpenAI GPT
- Developed a user-friendly web application using Streamlit that analyzes resumes and provides personalized feedback tailored to a specified job role.
- Integrated OpenAI's GPT model to evaluate resume content for clarity, skill representation, and professional impact using dynamic prompt engineering.
- Implemented PDF and TXT file parsing with PyPDF2 and file type handling, allowing real-time extraction and processing of resume text.
- Utilized .env and os for secure API key management and ensured structured feedback output for improved user readability.

TECHNICAL ACHIEVEMENTS

- Coordinated **Technical Club** at Vaish College of Engineering, organizing **5+ events** and workshops for **800+ participants**, significantly boosting technical skills and student engagement.
- Orchestrated the Tech Fusion event, featuring inter-college technical, cultural, and sports events with over **800 participants.**
- Secured **2nd place** out of 25+ teams in a Hackathon at Vaish College of Engineering.

ADDITIONAL

- **Languages:** Full Professional Proficiency in **English**; Native Proficiency in **Hindi.**
- Participated in an **IoT workshop** by SmarDen Automations Pvt. Ltd., contributing to live projects and developing IoT skills.