Himanshu Karan

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EDUCATION

Shri Shankaracharya Technical Campus   Durg, Chhattisgarh, India
Bachelor of Engineering in Computer Science   *Oct. 2022 – May 2026*

Delhi Public School   Durg, Chhattisgarh, India
Class XII CBSE (Science stream), Class X CBSE   *August 2008 – June 2022*

ACTIVITIES

Hackathon   *August 2024*

Team Leader
- Led a team of 4 members in a national level hackathon conducted by Reimagine Sheryians.
- Built and improved the Porsche website, focusing on enhanced user experience and interface design.
- Utilized HTML, CSS, and JavaScript to create a responsive and visually appealing layout.

Member
- Led collaborative sessions during 3+ workshops focused on user-centered website design, driving team adoption of new interface design principles and resulting in findings to fix the three biggest causes of crashes.
- Contributed in publicity Department.

PROJECTS

1. **Fake News Detection | Machine Learning | [Link]**   *May 2025*
- Developed an end-to-end fake news detection system using Python and scikit-learn, leveraging the real-world Kaggle Fake and True news datasets for robust model training.
- Designed a full NLP pipeline with data cleaning, TF-IDF features, and Random Forest classification for high accuracy and clear interpretability.
- Deployed the solution as an interactive Streamlit web app, enabling real-time predictions and user engagement with both file upload and demo modes.

2. **Sentiment Analysis on Movie Reviews | Data Analytics**   *Jan 2025*
- Performed comprehensive data analytics on movie reviews including data cleaning, exploratory data analysis and visualization using Python, Pandas, Matplotlib and Seaborn.
- Engineered a sentiment classification model utilizing scikit-learn and Naive Bayes, achieving 92% accuracy in predicting customer sentiment from movie reviews; model identified primary drivers of positive feedback.

3. **Redesigned E-commerce Website | Front-end Development | [Link]**   *Nov 2024*
- Redesigned the Ptron website using HTML, CSS, and JavaScript to ensure a fully responsive layout.
- Improved user interface and experience by implementing intuitive navigation.
- Implemented interactive elements using JavaScript to enhance user interaction and engagement.

TECHNICAL SKILLS

- Languages: Python, C/C++, SQL, JavaScript, HTML/CSS
- Frameworks: React, Node.js, Flask, Streamlit
- Developer Tools: Git, VS Code, Jupyter Notebook
- Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn
- Core Competencies: Machine Learning, Data Analysis, Web Development

CERTIFICATIONS

- PCAP: Programming Essentials in Python – Cisco Networking Academy
- Foundations of Prompt Engineering – AWS Training and Certification
- Advanced Software Engineering Job Simulation – Walmart [Forage]
- Digital Productivity – NIIT Foundation