JAY KUMAR

Ladhuwas Ahir, Rewari, Haryana

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Github : https://github.com/JAYKUMAR43

Professional Summary

Motivated and detail-oriented computer science student currently pursuing graduation from Indira Gandhi University, Meerpur. Passionate about artificial intelligence and software development, with strong foundational skills in Python and C. Demonstrates initiative through hands-on project work, including a voice-enabled AI assistant.

Education

Bachelor of Science in Computer Science (Pursuing)

Indira Gandhi University, Meerpur

Rewari, Haryana

Expected Graduation: 2028

Technical Skills

Languages: Python, C (Programming Language)

Technologies: Basic AI concepts, Speech Recognition Tools

Projects

Speaking AI (Python-based Voice Assistant)

- Created an interactive speaking AI using Python and speech recognition libraries.

- Designed to understand voice commands and respond using synthesized speech.

- Demonstrated integration of natural language processing in user interfaces.

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BHARAT PANCHAYAT TRANSPARENCY

--- Bharat Panchayat Transparency System is a digital solution designed to ensure transparency, accountability, and progress tracking of government projects at the village level. It empowers **citizens**, **officers**, and **contractors** with real-time monitoring, analytics, and feedback capabilities — all in one modern platform.

AI POWERED SMART TRAFFIC MANAGEMENT SYSTEM

--- Developed an **AI-powered intelligent traffic management system** that dynamically controls traffic signal timing using **real-time vehicle detection**.
Implemented **YOLO-based computer vision** to identify traffic density and prioritize **emergency vehicles** for faster clearance.
Designed an interactive **Streamlit dashboard** with live analytics, signal direction visualization, congestion monitoring, and voice alerts.
The system supports **both real-world camera input and simulated traffic environments**, making it suitable for **smart city and urban traffic optimization**.

AI-BASED CRITICAL MINERAL TRADE FORECASTING SYSTEM

---Built a data analytics and forecasting system that applies statistical analysis and time-series modeling to India's mineral import-export data. The platform visualizes trade trends, dependency ratios, and projected future risks through an intuitive dashboard for policy and decision support

Certifications

Professional Data Analytics Certificate - Google

Python for Data Science, AI & Development - IBM

Concepts in Python: Loops, Functions and Returns - Coursera Project Network

Technology Job Simulation - Deloitte

AI for Beginners - HP

Business Email - HP

Programming in Python – Meta

Hobbies & Interests

Watching Movies , Reading Books , Travelling And Explore New Places ,

Playing Games