

CHIRAG VISHWAKARMA

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Summary

Aspiring AI Developer pursuing an MSc in Data Science with hands-on experience in WhatsApp automation, AI dashboards, and real-time reporting tools. Skilled in Python, JavaScript, MongoDB, Google Sheets API, and currently exploring LLMs, LangChain, and RAG pipelines. Fast learner with strong problem-solving and communication skills, eager to build impactful AI solutions.

Experience

- Collaborated on a full-stack Next.js app with MongoDB backend to store data, visualize customer trends, employee performance, and profit & loss using interactive graphs; integrated AI models to generate insights and support decision-making, boosting productivity and business outcomes.
- Developed multiple WhatsApp bots to automate daily business tasks such as sending task alerts, handling data updates, and managing workflows through WhatsApp; integrated Google Sheets and MongoDB for real-time communication and automation.
- Working on an AI-powered marketing poster automation tool using Python (backend) and Next.js (frontend), where users select a festival and location to trigger OpenAI-generated prompts. Automates prompt delivery to Midjourney via Discord using Selenium, generating custom images. Stores images in MongoDB (Base64) and sends them to users on WhatsApp for instant access.

Projects

1. **Emotion - Based Music Recommender System**, Developed an AI project leveraging deep learning to detect user emotions via facial expressions and recommend suitable music based on their emotions. The system uses machine learning for real-time emotion analysis and music selection, enhancing user experience through personalized interaction.
2. **Eye - Tracking Mouse**, Developed a functional system using Python and OpenCV for hands-free cursor control via eye tracking. Features include eye gaze tracking for movement, blinks/gestures for clicks, and innovative accessibility solutions for enhanced human-computer interaction..
3. **Ratings Dashboard**, Developed an interactive Power BI dashboard with MySQL to analyze ratings across 9,655 titles by genre, country, and age group. Key insights include a dominance of movies (80.82%) and a post-2000 release surge led by Drama.
4. **Developed an AI-powered E-commerce Customer Segmentation App using Streamlit, Pandas, and Groq's LLaMA 3.3 model**. Integrated dynamic dashboards to analyze customer behavior, predict segments, and generate personalized marketing strategies. Implemented EDA, cohort analysis, and customer comparison features with real-time AI insights and visualizations. Enhanced decision-making by automating strategic recommendations based on purchase history and return rates.

Skills

Python, JavaScript, MySQL, Machine Learning, Data Manipulation, LLM, AI Agents, MongoDB, Vector DataBase, Fundamentals of AWS Cloud

Education

Thakur College of Science & Commerce | Mumbai

Msc Data Science | 05/2027

Relevant coursework: Machine Learning, Deep Learning, Python for Data Science, Big Data Analytics

MKES Khandwala College

Artificial Intelligence and Machine Learning | 05/2025

CGPA:- 7.48