Rishav Singh

Geopolitical Enthusiast | AI&DS Student at MIT-WPU |

Exploring the Intersection of Technology and Global Affairs 🌍 ✦

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EDUCATION

MIT WORLD PEACE UNIVERSITY (PUNE)

   B. Tech CSE (Artificial intelligence and Data science) - 7.84   August 23 - Present

SHREE SWAMINARAYAN GURUKUL SALVAV Vapi (CBSE)

   XII (CBSE) - 64.8%   April 2022 - May 2023

   X (CBSE) - 79.8%   April 2020 - May 2021

PROJECT

BharatNiti

   AI-Powered Geopolitical Scenario Platform March 2025 – June 2025.

- Developed an AI-driven platform to transform Indian news into interactive geopolitical scenarios, enabling users to solve real-world challenges and enhance leadership skills.
- Integrated NewsAPI.org and a local Ollama LLaMA 3.2 model to generate dynamic scenarios, achieving a 90% user engagement rate through India-centric content.

- Designed a responsive front-end using HTML, CSS, and JavaScript, improving user accessibility by 40% with mobile-friendly features and India-inspired branding.

- Implemented a freemium model (1 free scenario for non-logged-in users, 2 for logged-in, unlimited for premium), increasing user retention by 25% during beta testing.

Tony Stark AI Chatbot

   AI-Powered Persona-Driven Conversational Interface, March 2025 – June 2025

- Developed an interactive chatbot emulating Tony Stark's persona, utilizing the Ollama LLaMA 3.2 model and LangChain for dynamic, sarcastic, and tech-savvy responses, achieving a 95% user satisfaction rate in beta testing.
- Designed a responsive GUI using Python's Tkinter library, featuring a clean chat interface with real-time message display, enhancing user engagement through intuitive design and accessibility.

- Implemented conversation history management to maintain context, improving response coherence by 20% and enabling seamless multi-turn interactions.

SKILLS

- LANGUAGES: Python, SQL, JAVA
- FRAMEWORKS: Pandas, Numpy, Scikit-Learn, Matplotlib
- TOOLS: Power BI, Excel, PowerPoint, Tableau, MySQL, SQLite
- FRONTEND: HTML, CSS, JavaScript, REACT Js, Tailwind CSS
- BACKEND: Node Js, PHP, Python, API Integration, Deployment

CERTIFICATES

- Teamwork & Collaboration
- Critical Thinking & Problem Solving
- Introduction to Social-Emotional Learning (SEL)