Harshal Malani

Nagpur, Maharashtra, India

📞 +91 8788460309 ✉ malaniharshal95@gmail.com in [LinkedIn](#) 🐙 [GitHub](#) 🌐 [Portfolio](#) </> [Leetcode](#)

Education

Shri RamdeoBaba College of Engineering and Technology **Aug 2023 – Feb 2027**
B.Tech (Information Technology) *4th Semester (9.43 CGPA)*

Skills

Programming Languages: Python, Javascript, Typescript, Go, Rust
Tools: Git, Docker, Kubernetes, Linux
ML and GenAI: Scikit-Learn, Pandas, Matplotlib, Seaborn, LangChain, LangGraph, CrewAI

Experience

Open Source Contributor **Mar 2025 – Present**
Kubeflow

- Merged 4 PRs into the kubeflow trainer and added test coverage using Go testing framework

Projects

Open Deep Research | *LangChain, LangGraph, Groq, Together* | [GitHub](#)

- Developed an AI-driven system for research paper evaluation with 100% classification accuracy
- Implemented conference recommendation logic with 60% accuracy, analyzing 150+ papers with detailed reports
- Optimized processing with 27 requests per minute, handling 25,000 input tokens and 17,000 output tokens per request
- Inspired by Perplexity AI's deep research, built an open, modular version focused on agentic graph execution and LLM-tool integration

AI Research Paper Analyzer | *CrewAI, Groq, Llama-3.1(8b)* | [GitHub](#)

- Developed an AI-powered research paper analysis system using CrewAI framework
- Utilized Groq for inference with Llama-3.1(8b) model for comprehensive paper evaluation

Research Hub | *LangChain, Groq, Llama-3.1(8b)* | [GitHub](#)

- Built an innovative agentic platform where LLMs conduct expert-level research and generate academic papers from simple prompts
- Enabled seamless publication to a centralized hub, fostering collaborative discussions among researchers, similar to Stack Overflow

Ground Water Level Analysis | *Tensorflow, Pandas, Numpy, Matplotlib, Seaborn* | [EDA](#) | [Cleaning](#) | [Combination](#)

- Analyzed European ground water level patterns using time series models like ARIMA and SARIMAX
- Worked with large datasets from multiple ZIP files, gaining experience in data pre-processing, model training, and predictive analytics

Saksham | *Clerk, NextJs, MongoDB, Spacy, WireShark, Langchain, Groq* | [Web](#) | [Firewall](#) | [Live](#)

- Developed a platform for individuals and organizations, offering AI-curated blogs and personalized learning tracks
- Designed enterprise-grade security solutions, including an AI-powered firewall and intrusion detection system
- Built a network traffic classification model using the CIC dataset, achieving 98.75% accuracy
- Integrated a Threat Intelligence system with an LLM-powered chatbot (Llama-3.1 8B) for analyzing past cyberattacks

Colosseum | *NextJs, AccternityUI, Framer Motion* | [GitHub](#) | [Live](#)

- Developed the official webpage for Colosseum, the annual fest of the department
- Built an interactive and visually engaging website using React Three Fiber
- Designed and implemented multiple pages, including Events, About, and Registration, ensuring a seamless user experience
- Integrated Aeternity UI for a modern and responsive interface. Deployed the website on Vercel for high availability and performance