MONIT KUMAR JANGIR

Portfolio | Linkdien | Git | monit.j@outlook.com | +91-9530007401 | Jaipur

EDUCATION

Manipal University Jaipur   2021 - 2025

Bachelor of Technology - CSE Hons. IOT and Intelligence

EXPERIENCE

Delhi Metro Rail Corporation (DMRC) - ED/IT Intern, New Delhi, India   June 2024 - August 2024

- **Developed real-time interactive dashboards using Python, Power BI, and Dash** to analyze Apache log data, significantly improving operational visibility and system monitoring.
- Reduced **resource utilization by 20%** by optimizing dashboard performance and minimizing redundant queries through efficient data transformations.
- **Designed a security monitoring system** that proactively flagged suspicious user behavior based on custom-defined heuristics and real-time log parsing.

PROJECTS

Maximizing UAV Fog Deployment Efficiency for Critical Rescue Operations   **Ongoing**

- Analyzed UAV-to-user and UAV-to-UAV communication graphs to evaluate network coverage, robustness, and resource trade-offs.
- Aimed at enhancing the efficiency of disaster response by ensuring low-latency, high-availability data exchange between aerial nodes and rescue teams.
- **Technical implementation completed; currently evaluating and benchmarking algorithms for optimal deployment efficiency.**

Resume Optimizer Agent | Live | GitHub

- Built a **Streamlit-based web app using Mistral AI** to tailor resumes for specific job descriptions, analyze resume quality, and assess interview readiness.
- Integrated **PDF parsing, keyword matching, AI feedback generation, and resume scoring** to deliver personalized career guidance.
- Added an interview readiness module generating behavioral and technical questions with sample answers.
- Deployed using GitHub + Streamlit Community Cloud with secure API key handling and responsive UI.
- **Tech Stack: Python, Streamlit, Mistral API, ReportLab, PyMuPDF, Git**

AI-Native Conversational Portfolio | Live | GitHub

- Engineered an interactive portfolio with a conversational UI, leveraging Mistral AI and the Vercel AI SDK to provide dynamic, context-aware responses to user queries.
- Implemented an AI agent with tool-calling capabilities, allowing the application to render rich React components (like project carousels and skills lists) directly within the chat interface.
- Built a responsive and visually appealing frontend using Tailwind CSS and Framer Motion, deployed on Vercel with a full CI/CD pipeline for automated builds and hosting.
- **Tech Stack: Next.js, TypeScript, Mistral AI, Vercel AI SDK, Tailwind CSS, Framer Motion**

SKILLS

Languages : Python, C, Bash
Web Technologies : HTML, CSS
Operating Systems : Windows, MacOS
Data Analysis and Visualization : Power BI, Excel
Data Base Management Systems : MySQL, MongoDB
AI & Machine Learning : OpenAI API, LangChain, LLMs, Prompt Engineering, Gen AI, Agentic AI
Tools & Frameworks : VSCode, Jupyter Notebook, Gradio, Streamlit, Figma, GitHub,Web Scraping, n8n

CERTIFICATIONS

- Endpoint Security Cisco
- Introduction to Python Coursera

EXTRACURRICULAR ACTIVITIES

- Member, Organizing Committee – College Cultural Fest 2024: Managed logistics, coordinated student participation, and oversaw event scheduling.
- Participated in MCJ Club Badminton Tournament