

Hiteshi Kukreja

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AI and Data Science enthusiast with hands-on experience in GenAI, automation, and programming. Seeking an internship opportunity to apply and expand technical skills by contributing to innovative AI-driven solutions and real-world data challenges.

Education

Bharati Vidyapeeth's College of Engineering for Women, Pune Nov 2022 - Present
Bachelor of Engineering in Computer Engineering | CGPA – 8.86

MES Abasaheb Garware College, Pune
HSC Board | 81%

Podar International School, Pune
CBSE Board | 88.8%

Skills

- Programming Languages: C++, Java, Python
- GenAI Tools: LangChain, RAG
- Cloud Technologies: Microsoft Azure
- Database: MySQL, MongoDB
- Frameworks & Libraries: Java AWT, Java Swing, Streamlit
- Version Control: Git, GitHub
- Other Tools: Power BI, NetBeans, Jupyter Notebook

Certifications

- Microsoft Certified: Azure AI Fundamentals
- Microsoft Applied Skills: Create an intelligent document processing solution with Azure AI Document Intelligence
- AWS Academy Graduate - AWS Academy Machine Learning
- Eduskills AWS AI-ML Virtual Internship

Projects

Document-Based QA System Using LangChain and RAG

- Built a document-based QA system using LangChain and Retrieval Augmented Generation (RAG), enabling accurate, context-aware responses from user-uploaded files.
- Integrated LLaMA 3.2 (Ollama) for natural language processing, Hugging Face embeddings for semantic search, and FAISS for efficient vector retrieval.

Python Automation Project

- Cleaned and flagged a real-time event participant dataset to identify missing information for accurate analysis.
- Generated context-aware, personalized follow-up messages based on event participation and job roles, and simulated automated email workflows to enhance communication.

Breast Cancer Prediction Using Machine Learning

- Worked on breast cancer prediction using the open-source Breast Cancer Dataset, performing data cleaning and preprocessing. Trained and evaluated multiple machine learning models to assess their effectiveness.
- Integrated the model into a Streamlit-based web application for user-friendly predictions.

Java-Based Employee Management System with MySQL Integration

- Designed and developed a robust Employee Management System using Java Swing and MySQL to streamline employee record management.
- Integrated secure authentication mechanisms, including login and password reset features, to ensure data protection and user access control.