SIMRAN YADAV

Kolkata, West Bengal

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EDUCATION

- Bachelor of Technology in Computer Science and Artificial Intelligence (2020-2024)
  Techno India University Kolkata, West Bengal
  CGPA: 9.05
- Higher Secondary | 79% (2017)
  National High School For Girls Kolkata, West Bengal
- Secondary | 89% (2015)
  National High School For Girls Kolkata, West Bengal

EXPERIENCE

- **Celebal Technologies Private limited** Jaipur, Rajasthan (Remote)
  Project: Human Action Recognition (June '23 – August '23)
  Role: Data Science Intern | Certificate credential : Link
  - Developed project utilizing CNN models (VGG16 and RESNET50) in PyTorch, integrating Flask for backend, Streamlit for UI, and Postman for CI/CD pipeline integration and testing.
- **M.N. Dastur & Company(P) Ltd** Kolkata, West Bengal
  Project: Expense Approval App (Feb '23 - March '23)
  Role: Microsoft PowerApps Developer Intern | Certificate credential : Link
  - Developed Expense Approval App integrated with Office 365, utilizing Form Processing AI models for invoice data extraction, Power Automate for auto-approval and email notifications, significantly reducing approval workflow from 6-7 hours to minutes.

PROJECTS

- **HR Resume Screening Assistance |** LangChain, Pinecone, Streamlit | Link
  - This Streamit Application, allows users to upload job descriptions and resumes (in PDF format), then utilizes techniques such as embedding, similarity search, and summarization to match and summarize relevant resumes based on the job description. The application leverages Pinecone for vector storage, OpenAI and SentenceTransformer for embeddings, and Langchain for summarization.
- **Chat with CSV |** LangChain, FIASS, Streamlit | Link
  - The project utilized Streamlit, langchain, and OpenAI to build a web app for extracting insights from CSV data through conversational AI. By integrating conversational retrieval chains and language embeddings, it enabled dynamic interactions based on user queries. FAISS was employed for efficient vector indexing, ensuring swift dialogue generation and comprehensive user history tracking.
- **Fake-News Detector |** NLP, NLTK, Flask | Link
  - Developed a counterfeit news detection framework integrating cutting-edge NLP methodologies encompassing syntactic tagging, named entity recognition, and information extraction, complemented by text analysis techniques such as TF-IDF weighting and text vectorization.
- **Old Bike Price Prediction Web Application |** Python, ML, Html, Bootstrap, Flask, Azure | Link
  - Developed a machine learning model utilizing data preprocessing techniques, feature engineering, and regression algorithms to predict the prices of old bikes, deploying the final model using Flask on Azure services.

TECHNICAL SKILLS

- **Languages:** Python, Java, C++, C, HTML, CSS
- **Automated Tools:** Microsoft Power Apps and Microsoft Power Automate, Power BI
- **Framework/Libraries:** NumPy, Pandas, Scikit-learn, NLTK, spaCy , TensorFlow, PyTorch, Django, Langchain, Keras
- **Cloud Technology:** Microsoft Azure
- **Databases:** SQL Server
- **Proficient Knowledge:** Machine Learning, Natural Language Processing(NLP) ,Deep Learning, DBMS , Gen AI, Statistics

CERTIFICATIONS

- **Microsoft Certified: Azure AI Fundamentals |Link** (May 2023)
- **Microsoft Certified: Power Platform Fundamentals | Link** (May 2023)
- **Microsoft Certified: Azure Fundamentals | Link** (June 2023)

Profile Links

HackerRank GitHub