Manshi Rathour

|Patna, Bihar, India; +916207683563;manshi2086@gmail.com
|LinkedIn | GitHub | Google Cloud | Kaggle

EDUCATION:

Amity University Patna, India.
B.Tech.(Computer Science Engineering)
CGPA : 9.15

WORK EXPERIENCE:

Oasis Infobyte - Data Science Intern (Remote) **(Aug 2023 – Oct 2023)**

- Sales Prediction: Developed model with 91.8 % accuracy.
- COVID-19 Impact: Analyzed India's unemployment impact for strategic insights.
- Iris Classification: Implemented ML model for Iris flower classification.
- Email Spam Detector: Developed NLP-based detector with 98% accuracy.

Bharat Intern - Machine Learning Intern (Remote) **(Mar 2024 – Apr 2024)**

- Created a Movie Recommendation System employing scikit-learn's TfidfVectorizer and cosine_similarity for movie description processing.
- Developed a real estate price prediction model for Bangalore houses using linear regression.
- Built an iris flower classification model with Support Vector Machines (SVM), achieving 96% accuracy.

SKILLS:

- **Programming Languages:** Python, Java, C, C++
- **Machine Learning:** Scikit-learn, Tensorflow, Keras, Pytorch, OpenCV
- **NLP:** LLM**,** FastText, Spacy
- **Data Analysis:** Pandas, Numpy, Matplotlib, Seaborn
- **Web Development:** HTML, CSS, Javascript, Flask, Fastapi
- **Database Management:** MySQL
- **Data Analysis:** Excel, PowerBI
- **Other:** Jupyter Notebook, Google Colab, Git, Postman API, Google Cloud

PROJECTS:

Q&A System using LLM| https://qna-using-llm.streamlit.app/ | GitHub **(May 2024 – Jun 2024)**

- Embedded the CodeBasics dataset (prompts and responses in CSV) using HuggingFaceEmbeddings and created a vector database with FAISS.
- Built a Q&A system with Google GenAI API as the base LLM, using RetrievalQA from LangChain for querying and PromptTemplate for fine-tuning responses based on the dataset.
- Developed and deployed a user interface with Streamlit for user interaction with the Q&A model.

AI Assistant | https://ai-assistant-i1l3.onrender.com | GitHub **(Jan 2024 – Apr 2024)**

- Developed a user-friendly website with advanced features, integrating many Google APIs, Tesseract OCR, OpenAI API, BART, and BeautifulSoup.
- Incorporated real-time language translation supporting text and speech translation.
- Key features include Chatbot integration, text summarization from various sources (text, images, documents, and websites), and text extraction from handwritten images and documents.

Real Estate Price Prediction | https://realestatepriceprediction.azurewebsites.net/ | GitHub **(Jul 2023 – Oct 2023)**

- Developed a real estate price prediction model for Bangalore houses, employing data cleaning, feature engineering, and linear regression for enhanced accuracy.
- Integrated the model into a user-friendly web page enabling real-time price predictions based on input parameters like area, rooms, bathrooms, and location.