MAYANK SINGH

Bulandshahr,Uttar Pradesh

📞 +91-9568286329 ✉ itsmayanksingh1@gmail.com in Linkedin ⌗ Github 💼 Portfolio

SUMMARY

Highly capable, versatile, and accomplished **Data Scientist and Front End Developer** with 1 year+ of extensive management experience , and eager to leverage analytical skills and **Machine Learning Techniques** to extract meaningful insights from data. Ready to contribute to innovative projects and drive impactful solutions!

EDUCATION

Rajkiya Engineering College, Azamgarh   **2020 − 2024**
Bachelor of Technology,Mechanical Engineering - ***CGPA*** *-* ***7.0***   *Azamgarh, Uttar Pradesh*

EXPERIENCE

Tamar Software LLP PVT.   **July 2024 - Till Now**

As a Junior Data Scientist, I lead and collaborate with a team on various data science projects, ensuring the delivery of high-quality solutions that meet client requirements. My responsibilities include:

- **Team Management**: Leading a team of data scientists and developers, providing guidance and mentorship to ensure project milestones are met efficiently.
- **Software Development**: Contributing to the design, development, and deployment of machine learning models, including Large Language Models (LLMs) for real-time applications
- **Collaboration**: Working cross-functionally with business stakeholders, engineers, and other teams to define project goals, align strategies, and deliver impactful results.
- **Project Implementation**: Managing and executing multiple data-driven projects, such as developing Power BI dashboards for actionable insights and improving business operational efficiency..
- **Documentation and Code Maintenance**: Writing clear documentation and maintaining clean, scalable code to ensure long-term project success and knowledge transfer.
- **Continuous Learning**: Keeping up with the latest industry trends and tools to enhance personal growth and bring innovative solutions to the team.

Web Development Intern in Spyda Security ⇗   **April 2024 - August 2024**

- Build and developed a user-friendly Website and Implemented user authentication, search functionality etc.
- As a team leader collaborate with the team members to troubleshoot issues, implement new features, and ensure websites are optimized for performance and usability.

PROJECT'S

Chatbot for Metro Service | **NLP,Regex Matching,Hugging Face Transformers (BERT)**

- Built and deployed an intelligent LLM-based chatbot for metro services, enhancing customer support and user experience.
- Developed a robust LLM-based chatbot leveraging FAQ and Intent classification to provide accurate responses by fetching data from MySQL database and show the answer.
- WhatsApp Connectivity and Seamless integration with WhatsApp for real-time conversations using the WhatsApp Business API.

Infant Behavior Analysis | **OpenCV,dlib,TensorFlow,Librosa,joblib,MediaPipe,moviepy,NumPy**

- Developed a multi-modal emotion and pose detection system for infant behavior analysis using Python, OpenCV, TensorFlow, Librosa, and dlib and having a 76 accuracy .
- Facial emotion recognition using dlib for face landmark detection and TensorFlow for emotion classification, and pose estimation using MediaPipe for physical posture detection .
- Employed Librosa for audio emotion analysis, extracting MFCC features to predict emotional states from voice input, providing a more comprehensive analysis of the infant's condition.
- Used pre-trained deep learning models for real-time classification and joblib to handle pose classifier models, integrating early fusion techniques to combine audio and visual data for enhanced prediction accuracy.

- system can be deployed in real-time infant monitoring applications, offering actionable insights for caretakers to respond appropriately to the infant's emotional and physical state (e.g., identifying hunger, discomfort, or sleepiness).

End-to-End Resume Parsing and Management System | pdfplumber, docx,re

- Developed and deployed an end-to-end resume parsing system that extracts relevant information (such as Name, Email, Phone, Experience, Education, and Skills) from resumes in PDF and DOCX formats using Python libraries .
- Implemented cross-validation logic to ensure that resumes already present in the database are flagged, preventing duplicate entries by checking against the existing records in MySQL. .
- Integrated the system with a MySQL database to store parsed resume data securely and efficiently, allowing easy querying and retrieval of candidate information.
- Designed a front-end interface for uploading resumes and displaying parsed data in a user-friendly manner.

TECHNICAL SKILL'S

Programming Languages: **Python3, JavaScript**
Libraries and Framework: **Pandas, Numpy, Seaborn, Plotly,SciPy, Keras, nltk, spacy, TensorFlow, Pytorch, Scikit-Learn, Flask,NLP,Deep-Learning,OpenCV,re,pdfplumber, docx,re Power bi ,Html5, Css3, Tailwindcss, Reactjs.**
Database: **Mysql,AWS(S3),MongoDB**
Tools: **CVAT,Chatgpt**
Behavioral skills: **Written and Verbal Communication, Friendliness, Maturity, Problem-solving.**