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Chennai, India

Education

M.S.C BIG DATA ANALYTICS – Central University of Rajasthan – Rajasthan, India December 2022 - May 2024

BACHELOR'S IN COMPUTER APPLICATION – University of Calicut – Kerala, India May 2018 - April 2021

Work Experience

DATA ANALYST INTERN – G Data technology – Kerala, India February 2024 – August 2024

- **Enhanced operational efficiency** for the Dr Live healthcare management solution by conducting data analysis, automating dashboard creation using python, and **reducing report generation time**.
- **Developed and implemented** a marketing analysis dashboard using Power BI, enabling targeted strategies and data-driven decision-making.
- **Gathered and processed** critical data on hospitals, clinics, and doctors using web scraping technology, ensuring accurate and comprehensive datasets.
- **Designed and integrated** user-friendly dashboards with HTML and CSS, enhancing the Dr Live user experience.

DATA SCIENCE INTERN – Ybi Foundation – Delhi, India April 2023 – August 2023

- Gained hands-on experience with machine learning algorithms such as **regression, classification, and clustering**.
- Developed skills in data manipulation, feature engineering, and model evaluation using Python libraries like **Scikit-learn and Pandas**.
- Worked on real-world projects, applying data science techniques to solve practical problems and deliver insights.

Projects

HAND GESTURE RECOGNITION SYSTEM WITH VOICE FEEDBACK June 2024

- Developed a real-time hand gesture recognition system using **OpenCV** and **MediaPipe** for seamless interaction.
- Implemented custom-trained classifiers for high-accuracy gesture recognition and real-time inference.
- Created a multithreaded voice feedback system with **pyttsx3** for synchronized audio responses during gesture recognition.

PREDICTIVE ANALYSIS OF STOCK PRICES WITH LSTM Aug 2024

- Developed a stock price prediction model using **LSTM**.
- Utilized Python libraries: **Flask, yfinance, pandas, NumPy, scikit-learn, TensorFlow, plotly, flask-cors**.
- Developed an interactive prediction chart with EMA for analysis and designed the web app using **HTML, CSS, and JavaScript**.

ECONOMIC DATA ANALYSIS WITH PANDAS March 2024

- Conducted data analysis using the FRED API to explore key economic indicators like the **S&P 500, unemployment rates, and labor force participation**.
- Analyzed historical economic metrics across U.S. states, focusing on seasonally adjusted unemployment data.
- Developed engaging visualizations including line plots, bar charts, and twin-axis graphs to identify trends and patterns.
- Provided insights into economic health by comparing state-level unemployment and labor force participation rates.

Skills

• Python • SQL • R • HTML • Power-BI • Tableau • Excel • Hadoop • AWS • Data Visualization • Machine Learning
• Django • OpenCV • MediaPipe • Deep learning • NLP • Data mining and data warehousing • Computer Vision • Pyttsx3

Interests

• Tech • Entrepreneurship • Stock market • Cricket