Hozaifa Shakeel

Lucknow, IN — hozaifashakeel0@gmail.com — +91 7408904956 — **in** LinkedIn — 🌐 Portfolio

INTERNSHIP

Quation Solutions Pvt Ltd, Lucknow, IN

Data Science and Analytics- Intern   Feb 2024—May 2024

- Predicted sales for Lumax Industuries, automobile lighting accessory manufacturer in India using various time series forecasting methods, including SARIMAX, FB Prophet and Dynamic Regression.
- Scraped data of laptops from e-commerce websites using webscraping libraries.
- Performed the job of tagging of data with appropriate tags inorder to train sentiment analysis model.
- Cleaned the data with Python and MS Excel, performed EDA extracting initial insights.

TECHNICAL SKILLS

- **Languages:** Python, Java, Javascript.
- **Tools and Libraries:** Beautifulsoup, Selenium, Sklearn, Pandas, Numpy, OpenCV, Git, OLS, Matplotlib, Plotly, ROS, SQL, IBM Cloud, IBM Cognos Analytics, MS-Excel, PowerBI, Bootstrap.
- **Analytical skills and Machine Learning techniques:** Regression Analysis, Time Series Forecasting, Market Mix Modelling, Web Scraping, Data Manipulation, Convolutional Neural Networks (CNN), K-Means Clustering, K-Nearest Neighbors (K-NN), Support Vector Machines (SVM)

PROJECTS

Arduino Based Star and Planet Tracker(BTech Project) *GitHub* ⭕   Sep 2023—April 2024

- Developed a computerized telescope mount prototype utilizing Arduino, a gyroscope, 28BYJ-48 stepper motors, and a LED display
- Implemented a rotary encoder for odometry to calculate the steps needed to move 1 degree. Achieved tracking accuracy of up to 1.5 degree for stellar objects.
- (**Achievements**)Demonstrated Arduino Star tracker and won cash prize at Innovation Festival at Regional Science City, Lucknow organized by Ministry of Culture,Govt Of India. Arduino Star tracker got selected for Engineering Student's Grant Scheme 2023-24and received funding for the project

Demand Forecasting Model of Automobile Lighting (Internship Project)   March 2024—May 2024

- Forecasted sales for Lumax Industries, a leading automobile lighting accessory manufacturer in India, using advanced ARIMAX time series forecasting.
- Experimented with diverse predictive models including SARIMAX, LSTM, FB Prophet, and Dynamic Regression to identify the most accurate approach.
- Selected ARIMAX based on its superior accuracy, demonstrating strong analytical skills and a data-driven decision-making process.

Mental Health QnA Chatbot *GitHub* ⭕   May 2024—June 2024

- Engineered an interactive Q&A system on mental health, leveraging advanced prompt engineering to generate a comprehensive JSON knowledge base.
- Developed a robust rule-based chatbot in Python, enhancing user experience with precise and empathetic responses.
- Crafted an intuitive user interface for the chatbot using the Tkinter library, ensuring seamless and engaging interactions for users.

Movie Analysis Dashboard (PowerBI)   March 2024—May 2024

- Imported the Excel file Bollywood Movies dataset into Power BI. Removed Unwanted Columns.
- Created new columns like Profit using DAX. Cleaned the data to handle missing values and outliers. Built a dashboard with Cards, Charts, Slicers, and Filters.

EDUCATION

Integral University, Lucknow, India

Bachelor of Technology in Computer Science   Expected Jul 2024

Specialization in Data Science & Artificial Intelligence(IBM)   CGPI: 9.4

CERTIFICATIONS

- Business Intelligence-Allsoft Solutions and services (IBM)
- Machine Learning for Data Science projects-IBM
- Business Intelligence- Allsoft Solutions and services
- Data Science 101-IBM Developer Skills Network
- Python for Beginners-TELUSKO