Suhaib Mukhtar

65, Hazratbal, Srinagar, Kashmir 190006
+91-6005709811 suhaibmukhtar2@gmail.com linkedin github.com/suhaibmukhtar

Education

Bachelor Of Technology in Computer Science **Sep. 2019 – Nov 2023**
University Of Kashmire ***CGPA: 8.14***

GBHS Hazratbal Sringar **Jan. 2018 – Jan 2029**
Higher Secondary ***Percentage: 72.00***

Experience

IIT Delhi **Nov 2023 – Feb 2024**
AI-ML Intern *New Delhi, Delhi*

- Led the development of slip detection initiatives and applied haptic signals for object shape discernment using neural networks.
- Led a team of two interns for designing/developing package of APIs for integrating threading-based control of robots with ROS backbone.
- I conducted data cleaning and utilized dimensionality reduction techniques, such as Principal Component Analysis (PCA), to eliminate and reduce unwanted features from the dataset.

Projects

ML-Multi-Tasking Data Analysis App [Link] | *Python, Machine Learning, Flask* **February 2024**

- Utilized DBSCAN clustering algorithm to perform unsupervised ML, effectively identifying clusters based on dataset.
- Implemented Logistic Regression and Support Vector Machine (SVM) algorithms, for multi-class classification.
- Utilized Python and Flask Framework To Develop Web App For Automation.

ChatterGen Interactive Chatbot Powered By GenAI [Link] | *GenAI, LLM, LangChain, Python* **December 2023**

- Fine tunned LLM for ChatterGen's conversational capabilities by integrating it with GenAI's Hugging Face Hub API for real-time response generation.
- Enhanced ChatterGen's question answering functionality for precise information retrieval.
- Improved user engagement, leading to increased user retention and organizational competitiveness.

MoodNet Image Classification [Link] | *Deep Learning, Neural Networks, Python, PCA* **October 2023**

- Utilizing CNNs to classify images of happy and depressed individuals, enhancing emotional state.
- Utilized grayscale conversion, normalization, and resizing for efficient feature extraction.
- Model optimization, achieving high accuracy in emotional state classification.

Ball Tracking Detection [Link] | *Computer vision, OpenCV, Python* **August 2023**

- Created a basketball dribble detection system with OpenCV, improving player analysis with advanced tracking.
- Enhanced system accuracy for dribble recognition.

Drug Review Sentiment Analysis [Link] | *DL, NLP, Neural-Networks, Data-Balancing, Data-cleaning* **June 2023**

- Performed data cleaning and Text-representation on Two datasets of sizes 162,000 and 360,000.
- Addressed issues of imbalanced datasets, and conducted multi-class classification of Reviews.
- Models used for classification: LSTM, Bi-LSTM, LSTM+GRU, BERT.
- Automated feedback analysis facilitated drug safety monitoring, pharmacovigilance alignment with Agile Methodology, identifying adverse reactions, side effects, and medication improvements.

Technical Skills

Languages: Python (LinkedIn Skill Assessment badge), C, C++, HTML/CSS, JavaScript, SQL.
Developer Tools: VS Code, Pycharm, Anaconda, SQL-Server, Mysql WorkBench, A30-Gpu-Server
Technologies/Frameworks: Windows, Linux, GitHub, Netlify, Git, Api, Web-Scraping, Flask, Excel

Leadership / Extracurricular

- As the class representative during my b.tech program, I honed leadership and management skills by fostering effective communication and collaboration between students and faculty for four semesters.