Suhaib Mukhtar

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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*   January 2024

- 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*   January 2024

- Utilizing CNNs to classify images of happy and depressed individuals, enhancing emotional state.
- Enhanced ChatterGen's question answering functionality for precise information retrieval.
- Improved user engagement, leading to increased user retention and organizational competitiveness.

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.
- Led the team to victory in the Interdepartmental football championship for consecutive years, demonstrating effective teamwork, strategic planning, and leadership on the field