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 2019
Higher Secondary   *Percentage: 72.00*

Experience

Education Culture Pvt Ltd   April 2024 – Present
Python Developer Cum Researcher   *New Delhi, Delhi*
- Development and deployment of machine learning technologies for a financial services client, resulting in the adoption of a new algorithm that improved fraud detection rates by 10%.
- Collaborated with a team of experts to design and implement a natural language processing (NLP) model for a client, achieving a 13% increase in sentiment analysis accuracy and a 3% reduction in processing time.

IIT Delhi   March 2024 – April 2024
Junior Research Fellow   *New Delhi, Delhi*
- Conducted data cleaning and utilized dimensionality reduction techniques, to eliminate and reduce unwanted features from the dataset, improved data quality and accuracy by 7%.

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. Implemented the Slip detection algorithm on edge-computing device improved the accuracy by 18%.
- Led a team of two interns for designing/developing package of APIs for integrating threading-based control of robots with ROS backbone via using 5G Test-bed.

Projects

Customer Churn Analysis [Link] | *RFM Analysis, Clustering, Tableau*   March 2024
- Performed customer churn analysis and clustering using RFM analysis in Tableau.
- Helped the client identify customer segments at risk, provided recommendations for discounts, and identified champion groups.
- Enabled the client to target specific customer groups to improve retention and increase revenue.

ML-Multiclassification End To End Web App [Link] | *Python, ML, Pipelines, Flask, Front-End, AWS*   February 2024
- Implemented Logistic Regression and Support Vector Machine (SVM) algorithms, for multi-class classification.
- Utilized Python and Flask Framework To Develop Web App For Automation.
- Utilized the ML Pipeline for chaining Multiple steps Deployed the App on AWS EC2 instance.

Human Activity Recognition System [Link] | *Machine Learning, Feature Selection, Python, Statistics*   October 2023
- This project is to build a model that predicts the human activities such as Walking, Walking-Upstairs, Walking-Downstairs, Sitting, Standing and Laying.
- Utilized Feature selection Techniques such as Variance Threshold, Correlation, Annova, Forward feature selection.
- Model optimization, achieving high accuracy of 95% in Human activity Recognition by using Algorithms such as Logistic Regression, SVM etc.

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.
- Achieved an accuracy of 89% by using: LSTM, Bi-LSTM, LSTM+GRU, BERT.
- Automated customer feedback analysis, Brand Monitoring, Social Media Analytics, and medication improvements.

Technical Skills

Languages: Python, C, C++, HTML/CSS, SQL, R.
Developer Tools: VS Code, Pycharm, Anaconda, SQL-Server, Mysql WorkBench, A30-Gpu-Server, PowerBI, Excel, Sas Viya.
Technologies/Frameworks: Windows, Ubuntu, GitHub, Netlify, Git, Api, Web-Scraping, Flask, AWS, ML Pipelines, Django