

# SUHAIB MUKHTAR

Jiya Sarai, New Delhi, Delhi, India 110016

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## Education

### Bachelor Of Technology in Computer Science

Sep. 2019 – Nov 2023

University Of Kashmir

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 tuned 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.