

# Brij Sharma (Immediately Available)

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## Career Objective

I am immediately available and looking for entry level opportunity in the field of data engineering and data science domain. I have good exposure of working on python scripting, databases and cloud-based application development. I am currently undergoing internship at IISC Bangalore DREAMLAB and working under guidance of research professionals.

## Education and Experience

Internship [IISC Bangalore Dreamlab](#)

M. Tech (Data Science Engineering), [Manipal University Jaipur](#), Rajasthan

B.E. (Bachelors in Electronics and Communication Engineering), SKIT Jaipur, Rajasthan

Currently Pursuing

Aug 2023 – Ongoing

Aug 2018 – July 2022

## Projects

**AI-Powered duet choreography** | Python, Pytorch, LSTM  
2024

June

- This project merges AI and dance, focusing on duet choreography.
- It involves extracting pose data from duet videos and training AI models.
- The AI predicts Dancer #2's movements or creates new, physically feasible duet phrases based on Dancer #1's inputs.
- The model's outputs will be used in collaboration with the original dancers to inspire new performances.

**E-commerce Dashboard visualization** | Power BI

October 2023

- Designed this project to create a comprehensive and interactive dashboard using Power BI to analyse and visualize key metrics and trends in an e-commerce business. This dashboard will provide valuable insights into sales performance, customer behaviour, and inventory management.

**Chatbot** | Python, Dialogflow, MYSQL, Fast API

September 2023

- Developed a sophisticated chatbot for the food business.
- These key features were integrated in this chatbot –  
**a.** Order placement, **b.** Payment support, **c.** Order tracking, **d.** Offer management, **e.** Store information
- Leveraged Dialogflow to configure and customize the chatbot's conversational flow.
- Utilized Python for backend development, ensuring the robustness the scalability of server-side logic.
- Implemented the Fast API framework to build the backend server.
- Designed and maintained the database using MySQL, ensuring data integrity and seamless retrieval of customer information and order details.

**DOCBOT** | Arduino, C++, Python

January 2022 – June 2022

- Designed and developed a medical robot for remote vital sign monitoring and data transmission.
- Programmed the Arduino using C++ to collect accurate vital readings, specifically focusing on temperature measurements.

- Implemented a predetermined path-planning algorithm to enable the robot to navigate autonomously.
- Successfully shared vital readings with doctors and healthcare providers via Bluetooth, facilitating remote patient monitoring and diagnosis.
- Conducted extensive testing and calibration to ensure reliable and precise temperature measurements.

## Achievements-

- Winner in a poster presentation on the topic – "[An approach for forecasting Neurodegeneration diseases using deep learning](#)" in InnovateX under SSIC (International Conference on Smart System Innovations in computing)2023
- Best paper selection in the International Symposium on Data Science on the topic – "[Deep Learning Approach for Parkinson's Disease Detection: Review, Challenges and Recommendations](#)" organized by ACM student chapter
- Patent published with Application No. 202311073993 A, Title- [Indian Classical Music Classification Model](#)
- Participated in Hackathon (Elicit'23: Hackx 8.0) and made a website based on NLP organized by ACM student chapter
- Paper accepted in a conference on Intelligent Systems and Embedded Design (ISED 2023)- "[A Robust Efficient Architecture for Brain Tumour Classification and Identification using MRI Image](#)" (Under publication)
- Internship completed at Nectar Infotel on Data automation[\[Link\]](#).
- Selected for a summer internship at IIT Kharagpur.
- Currently pursuing an internship from IISC Bangalore at DREAM Lab, where I am working on some innovative projects under the supervision of research professionals[\[Link\]](#).

## Certificates

- "[Computer communications and networks](#)" from Saylor Academy.
- "[Web scraping in Python](#)" from Great Learning.
- "[AWS for Beginners](#)" from Great Learning.
- "[Programming in Python](#) " from Internshala training.

## TECHNICAL SKILLS –

**Languages:** Java, Python, SQL

**Libraries:** Pandas, Matplotlib, Opencv

**Development platform:** Dialogflow

**Frameworks:** Fast API

**Developer Tools:** PyCharm

**Scripting Language:** UNIX shell scripting, PL/SQL

**Cloud Platform:** AWS, GCP

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